ZIOVA™

clearstream™

CS615

HIGH DEFINITION NETWORK MEDIA PLAYER

User Manual

ZIOVA™

www.ziova.com

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Safety Precautions

Please note the following safety precautions.

- To avoid risk of electric shock, do not use or expose this player to wet or moist environments
- Do not place objects containing fluids above or on top of the player
- It is recommended to disconnect this device during electrical storms
- There are no user serviceable parts inside the player, all internal maintenance or servicing should be carried out by qualified service personnel authorized by Ziova
- Do not insert objects into the ventilation slots on the player
- Place the unit in or on a safe and stable cabinet
- Avoid exposure to extreme heat, extreme cold or direct sunlight
- Do not drop the player, or subject it to strong shocks
- Unplug the unit and remove the remote control batteries if it is not to be used for a long time
- Do not place the unit near sources of strong magnetism
- Disconnect the power when cleaning
- Clean only with a damp cloth
- Keep the unit away from dust and sand
- Ensure that you use this device with a properly grounded power cord
- Do not place the player on top of heat sources (including amplifiers that get hot)
- Please ensure adequate ventilation around the player

Important Notes

- Apple and iPod are trademarks of Apple Computer. Nero Digital™ is a trademark of Nero Software. Microsoft, Windows, Windows XP, Vista and Windows Media are Trademarks of Microsoft Corporation. HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC. Manufactured under licence from Dolby Laboratories. Dolby® and the Double-D symbol are trademarks of Dolby Laboratories. All Rights Reserved. All other products and companies referred to herein are trademarks or registered trademarks of their respective companies.

- This product is covered by certain intellectual property rights of Microsoft and cannot be used or further distributed without a license from Microsoft.

- This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

- AAC support does not include Apple Fairplay digitally rights managed AAC files.

- Source files with Global Motion Compensation encoding applied cannot be played back at 1080i. Files with 3 Warp Point Global Motion Compensation encoding are not supported.

- The ClearStream player supports many types of file formats, but due to encoding differences, not all files may play. Please ensure that any files you wish to play on this player are properly encoded with settings that are compatible with the player.
  (e.g. do not use 3 warp point GMC, or other formats that the player does not support)

- A file extension on a file (such as .avi) does not mean that the data within that file is compatible with the player. Many file formats use similar file extensions, and it is not necessarily an indication of what the file encoding format contained in that file is.

- Product specifications and features are subject to change without notice.

- New enhancements are being added to the ClearStream firmware on a regular basis; the features of your player may differ slightly from those in this manual.

Introduction

Congratulations and thank you for purchasing the ClearStream High Definition Network Media Player.

This player is a state-of-the-art media player utilising the Sigma Designs SMP8634 multimedia processor for unparalleled media playback and picture quality capabilities, with firmware developed by Sliceware.

The Ziova ClearStream networked digital media player gives users multiple connectivity options in one unit: Ethernet wired networking, Internal Hard Disk (optional) and a USB 2.0 connection for External Hard Disks and USB Flash Drives.

The ClearStream not only supports High Definition media content, but also has the ability to up scale media content for playback on high definition TVs and screens, whilst also maintaining compatibility with standard definition TVs.

The ClearStream has unprecedented file format support including high definition Windows Media® Video 9 and MPEG4 playback.

The ClearStream's music playback capability handles all the formats enthusiasts have longed for, including the high quality FLAC lossless format, OGG, AAC, MP3, Windows Media Audio 9 and others.

Video playback is also astonishingly comprehensive. The ClearStream handles playback of H.264, VC-1, Windows Media Video 9, XviD, Nero Digital™, MPEG-4, QuickTime MPEG-4, MPEG-2, MPEG-1, DVD ISO Images, and other formats.

The ClearStream is engineered from the ground up for high performance networking, with 100Mbit Ethernet networking integrated.

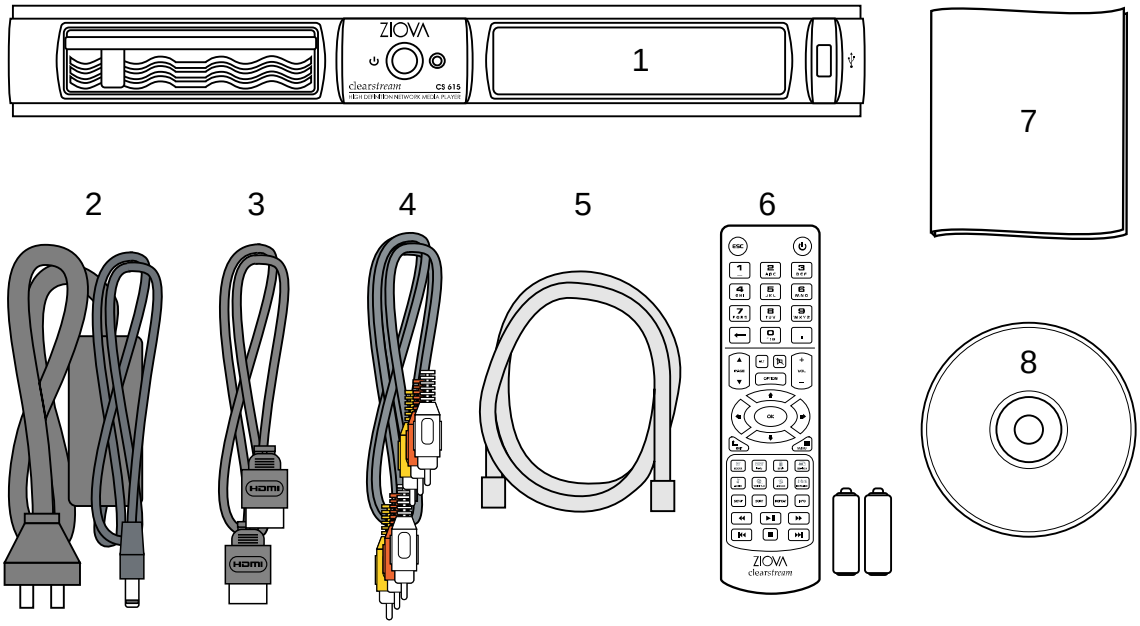
The Internet is just a button away on the ClearStream with instant access to streaming Internet radio stations via Shoutcast.

SMB network shares can also be accessed via the ClearStream for even greater network connectivity, as well as boasting an Integrated SMB & FTP server enabling you to access your players internal Hard Disk from your PC.

We are sure that you will enjoy your new player and that it will be an integral part of your home entertainment system.

Package Contents

Inside the package that your ClearStream came in, you will find the following items.



1. CS615 High Definition Network Media Player
2. Power Adaptor (12V 2A)
3. HDMI Cable
4. Standard Composite A/V 3-in-1 cable (RCA Connectors)
5. Cat.5-UTP Ethernet Network Cable (Straight Through)
6. Remote Control with Batteries
7. Quick Start Guide
8. CD with User Manual

Specifications

1. **Audio Formats Supported**
    - MP2 (MPEG 1 Layer 2)
    - MP3 (MPEG 1 Layer 3)
    - WAV
    - CD Audio (CS505 model only)
    - OGG Vorbis
    - FLAC Lossless Audio
    - LPCM
    - WMA
    - AAC-LC (Low Complexity)
    - AC3
    - DTS
2. **Video Formats Supported**
    - MPEG-1
    - MPEG-2 MP@HL
    - MPEG-4 ASP@L5, such as XviD, 3ivx, HDX4 etc.
    - MPEG-4 (H.264) BP@L3, MP@L4.0 and HP@L4.0
    - SMTPE 421M (VC-1) MP@HL and AP@L3
    - MPEG-4.2 ASP@L5
    - WMV9 MP@HL
    - Nero Digital™ up to (Main) Cinema Profile
    - QuickTime™ .MP4 (MPEG-4 SP video with AAC audio)
    - DVB/ATSC Transport Stream Support
    - DVD ISO and IFO Parsing Support
    - SRT, SUB, SSA and SMI subtitles
3. **Picture Slideshow Support**
    - Transition effects between pictures
    - Supports JPEG images
4. **Play lists Supported**
    - M3U
    - PLS
5. **Network Support**
    - Ethernet 10/100 Mbps
    - SMB Client support - access Windows shares directly
    - SMB & FTP Server support
6. **USB 2.0 device Support***
    - USB Thumb Drives
    - USB HDD Drives
7. **Internet Radio Support**
    - Integrated Internet Radio Player with access to SHOUTcast stations
    - Add your own SHOUTcast stations

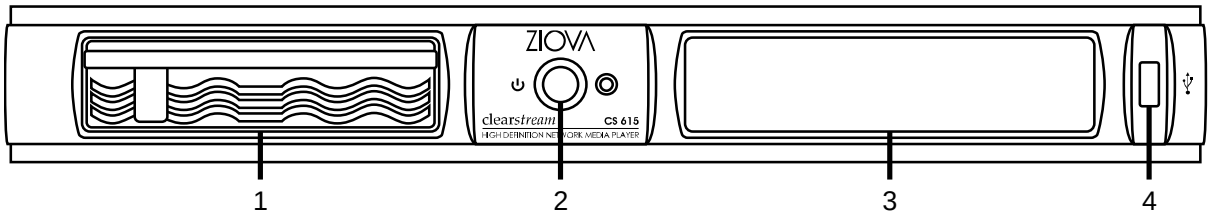
Specifications

8. **Media Streaming**
    - UPnP enabled
    - View Pictures, Audio and Video Files from UPnP Media Server
9. **Extras**
    - Network Bookmarking Feature
    - HDCP Support
    - ID3 Tag and display on VFD panel on player
    - Incremental Zoom (fine grained control of zoom in .05 increments)
    - Firmware updates from OSD. Check for new updates
    - Quick Skip (user defined skip ahead function)
10. **Video Output**
    - HDMI™
    - S-Video
    - Composite Video
    - Component
11. **Audio**
    - HDMI™
    - Stereo
    - Coaxial
    - Optical (TOSLink)
    - Analog 5.1
12. **Connectors**
    - 10/100 Ethernet
    - USB 2.0*
13. **TV Types**
    - NTSC (480i / 480p)
    - PAL (576i / 576p)
    - HDTV (720p50 / 720p60 / 1080i50 / 1080i60 / 1080p50** / 1080p60**)

* USB 2.0 Compliant devices only – USB 1.0 or 1.1 not supported
Devices must detect as a mass storage device and use mass storage drivers

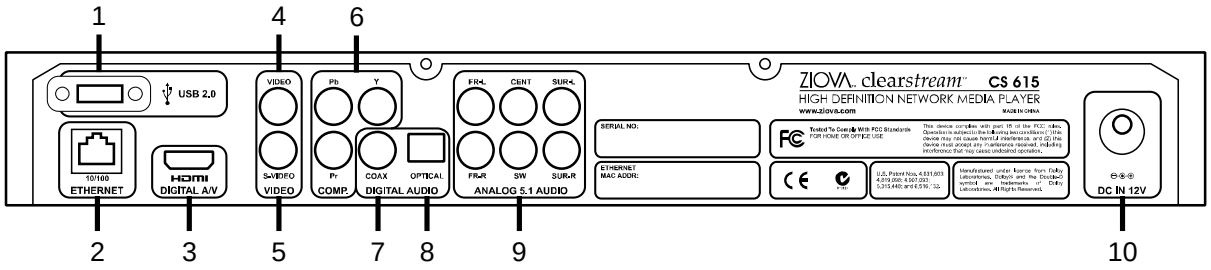
** 1080p only available in HDMI mode

Front Panel



1. Removable Hard Drive Caddy
2. Power Button/LED (Green when unit is active and Red when unit in standby)
3. Vacuum Fluorescent Display
4. USB 2.0 Connector

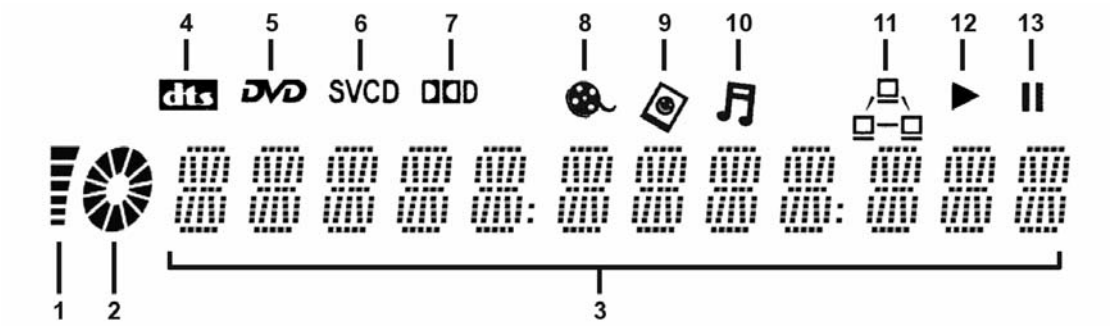
Rear Panel



1. USB 2.0 Port
2. Ethernet Network Connection
3. HDMI™ Digital A/V Output
4. CVBS Standard Composite Video Output
5. S-VIDEO Output
6. Component Video Output
7. Coaxial Digital Audio Output
8. Optical Digital Audio Output
9. Analog 5.1ch Audio Output
10. Power Input (12V - 2A)

Front Panel Display

The ClearStream incorporates a Vacuum Fluorescent Display (VFD) that can display 12 characters of both Alpha and Numeric data.
This aids in such things as menu navigation, as well as the ability to display the currently playing file, current playing time etc.



1. (reserved for future use)
2. DVD ISO indicator
3. 12 Digit Alpha-Numeric Display
4. DTS audio present
5. DVD ISO files playing
6. SVCD or VCD disc present (N/A)
7. Dolby Digital (AC3) audio
8. Video file playing
9. Image file playing
10. Audio file playing
11. Network connection to active network
12. Play indicator
13. Pause indicator

The front panel display will display the item that is currently selected on your display device (such as menu item, file name etc.)

This provides you with the ability to make file selections and to make settings changes without the user needing to have a display device (such as a TV) switched on.

You can select and play music and Internet radio using an external amplifier without having to turn on your screen.

You can also navigate the settings of the player (such as the video settings), without a display screen. This is very useful if you have accidentally set the player to a display mode that your display device does not support.

Connection Guide

Installing Your Hard Disk (Optional)

To use an optional Hard Disk you will need to install a Hard Disk in the Caddy.

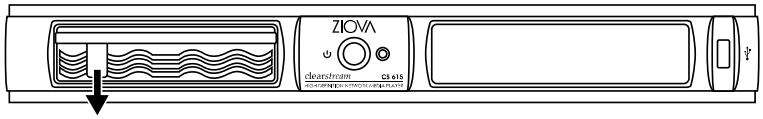
Always ensure the unit is switched off when removing or installing the disk caddy.

Hard Disks are static electricity sensitive devices, it is recommended to wear an anti-static device while installing your Hard Disk.

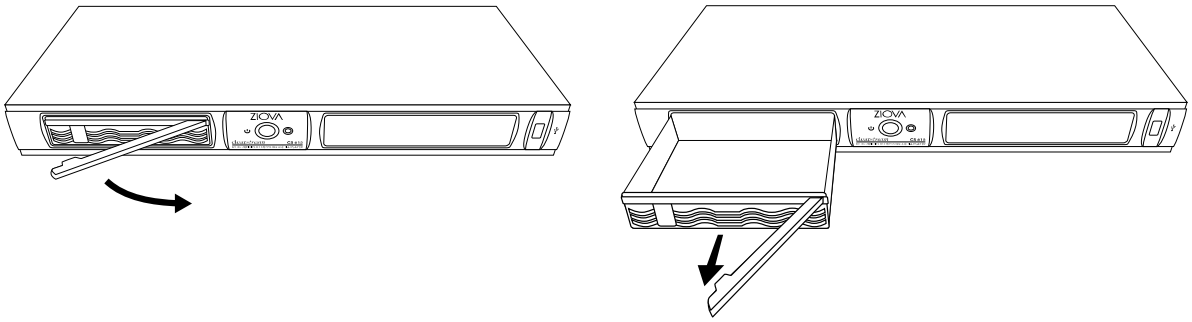
Only IDE Hard Disks are supported in the Hard Disk Caddy.

Make sure you have correctly configured your Hard Disk to the Master setting before installing. Check your Hard Disk documentation for more information.

1. To remove the disk caddy, slide the release switch down to pop out the caddy lever.



2. Swing the lever to the right (1) to eject the disk caddy, and slide the caddy out of the players case (2). ***Note: Caddy lever only opens to approx 60 degrees.***



1. ***2.***

3. Connect the power and data cables to your hard disk, ensuring pin 1 (red strip on IDE cable) is connected to Pin 1 on the Hard Disk and place the disk inside the caddy. Turn the caddy over and screw the hard disk to the caddy casing. For more information consult your Hard Disk documentation.

4. To insert do the reverse procedure of removal. Slide the disk caddy back into the player until it stops, then swing the lever closed again to lock it.

When the player is first switched on, it will prompt you to format the hard disk to prepare it for use with your player. See *Preparing Your Hard Disk* for details.

Connection Guide

HDMI™ (Video & Audio)

If your display device or amplifier has a HDMI input, then for the best quality picture use the HDMI interface output on the ClearStream.

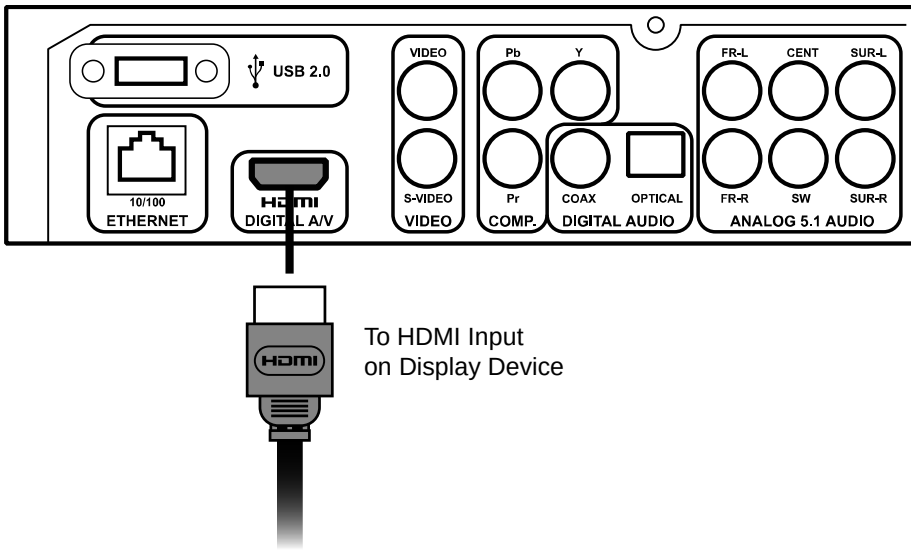
The HDMI connector transports the video and audio streams as digital data from the ClearStream to your display device or amplifier.

With just one connector both high resolution video and audio can be delivered to your display device.

Video modes that the HDMI output can support are dependent on what your screen reports as available. HDMI can be either Progressive or Interlaced.

The player will query the screen to detect supported modes.

Please consult your display device or amplifier user manual for specific information on plugging in your ClearStream.



Connection Guide

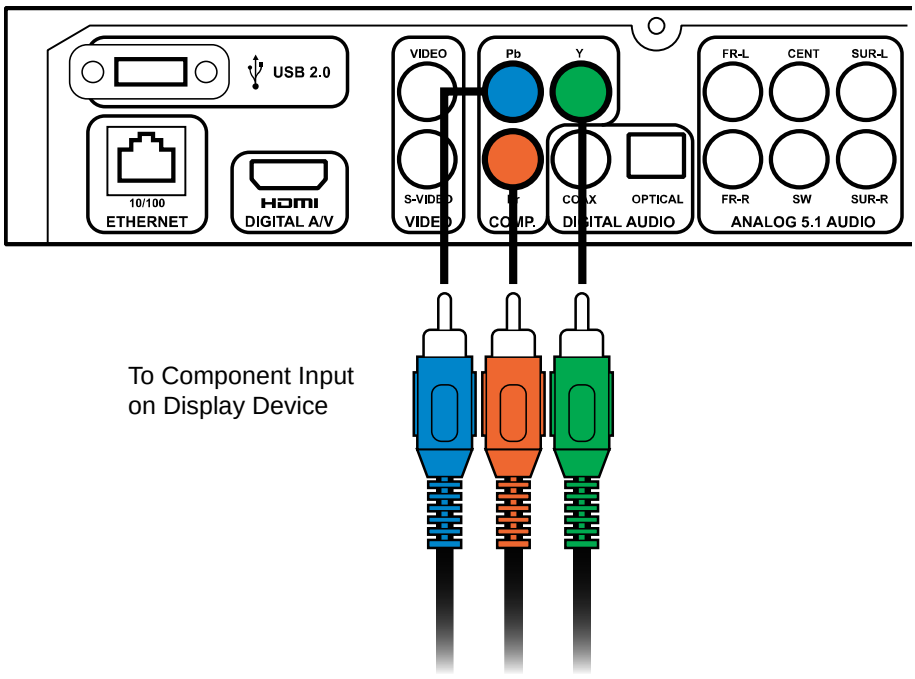
Component (Video)

The next best video display output after HDMI is Component Video. Component is an Analog video format and can be either Progressive Scan, or Interlaced.

Progressive Scan is the better of the output types, as every line on the display device is drawn one after the other. With Interlaced, every alternate line on the display is drawn on the first screen draw, and every other line is drawn on the next screen draw. If your display device supports Progressive Scan, then choose this as the picture will appear clearer, particularly with moving objects.

Component Video splits the color and brightness video signals into three separate cables, giving a better picture quality. Both Progressive Scan and Interlaced Component output use the three plugs on the back of the player, marked as “COMP.” Ensure that you match the color coded cables with the color coded connectors on both the back of the player and the inputs to your display device.

Video modes that the component output can support are PAL, NTSC, PAL Progressive Scan, NTSC Progressive Scan, 720p50, 720p60, 1080i50 and 1080i60. Please ensure that your screen supports the video mode you select.

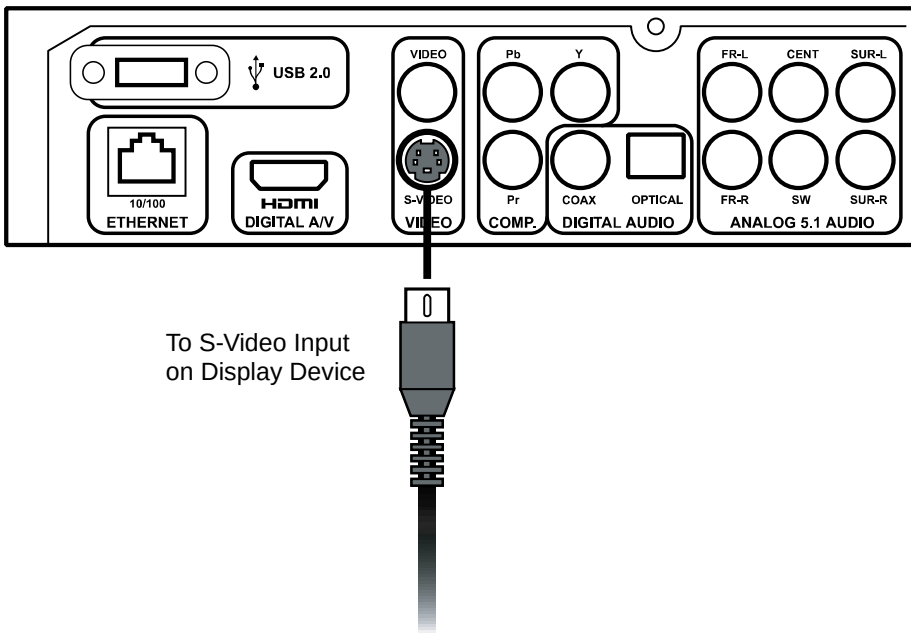


Connection Guide

S-Video (Video)

S-Video is a video format that works by separating the color and brightness video signals into two parts, this results in less interference than you get with the two combined (as is the case with Composite video).

If your display device has only Composite or S-Video inputs, then for the best display results, it is recommended that you use the S-Video input. S-Video output supports PAL and NTSC video modes only.

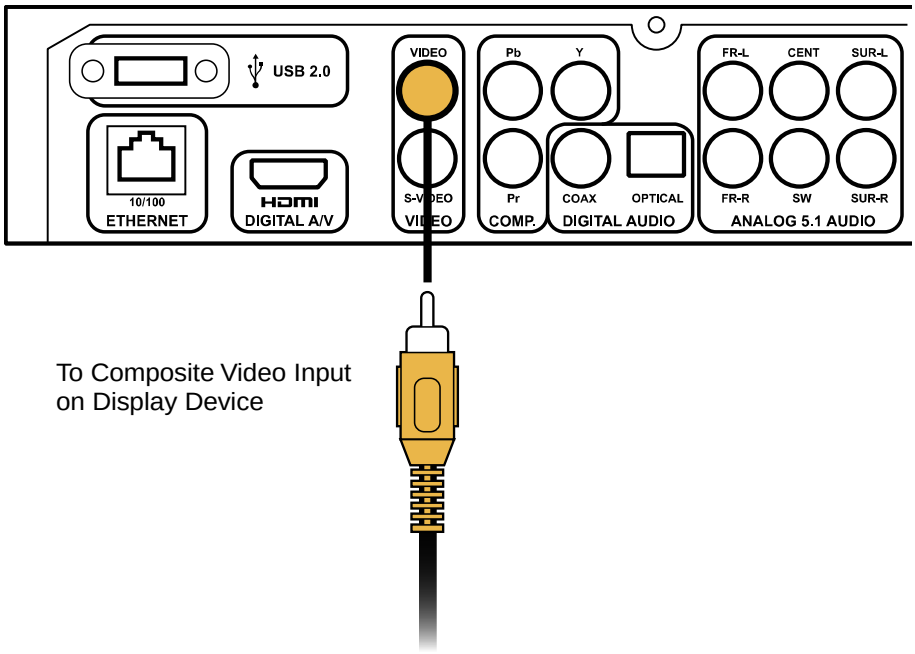


Connection Guide

Composite (Video)

Composite Video is the standard video connector format. It gets its name from the fact that all the color and brightness video signals are combined and passed through a single cable.

Composite output supports PAL and NTSC video modes only.



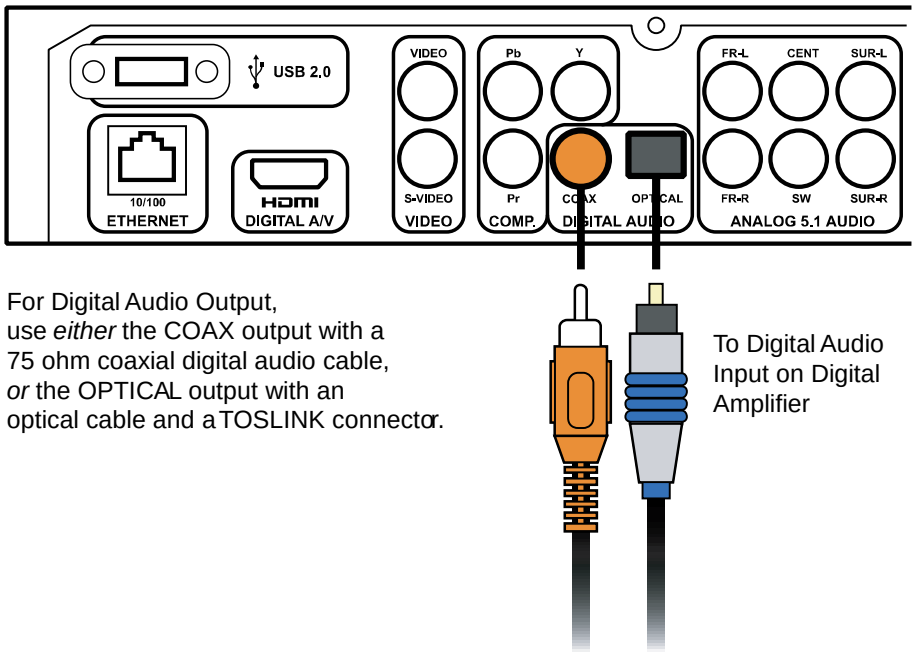
Connection Guide

OPTICAL/COAX (Audio)

The ClearStream supports Digital Audio output via either Coaxial or Optical Digital Audio outputs on the rear of the player. (Digital audio can also be delivered via the HDMI Interface)

If you have a Digital Audio Amplifier, supporting either Dolby Digital (AC3) or DTS decoding, then using either of the Digital Audio outputs will provide you with the best quality of sound to your amplifier.

With the Digital Audio outputs, the audio data is sent directly from the ClearStream to your amplifier as a digital data stream, and this is then decoded by your amplifier with no loss of sound quality between the ClearStream and your amplifier.



For Digital Audio Output, use *either* the COAX output with a 75 ohm coaxial digital audio cable, *or* the OPTICAL output with an optical cable and a TOSLINK connector.

To Digital Audio Input on Digital Amplifier

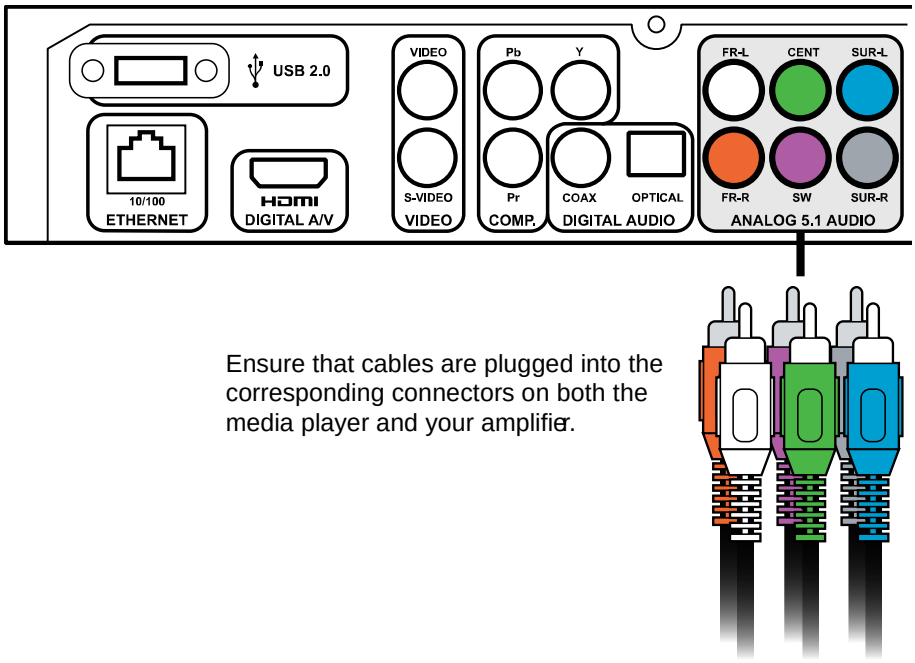
Connection Guide

Analog 5.1CH (Audio)

The ClearStream provides for 5.1 channel analog audio outputs for analog audio amplifiers that do not have digital audio inputs available.

The ClearStream can decode Dolby Digital (AC3) and DTS audio and output it as 6 discrete audio channels to go to an amplifier that supports 5.1 channel inputs.

When connecting the cables, ensure that the cables are connected to the same inputs on both the ClearStream and the amplifier.

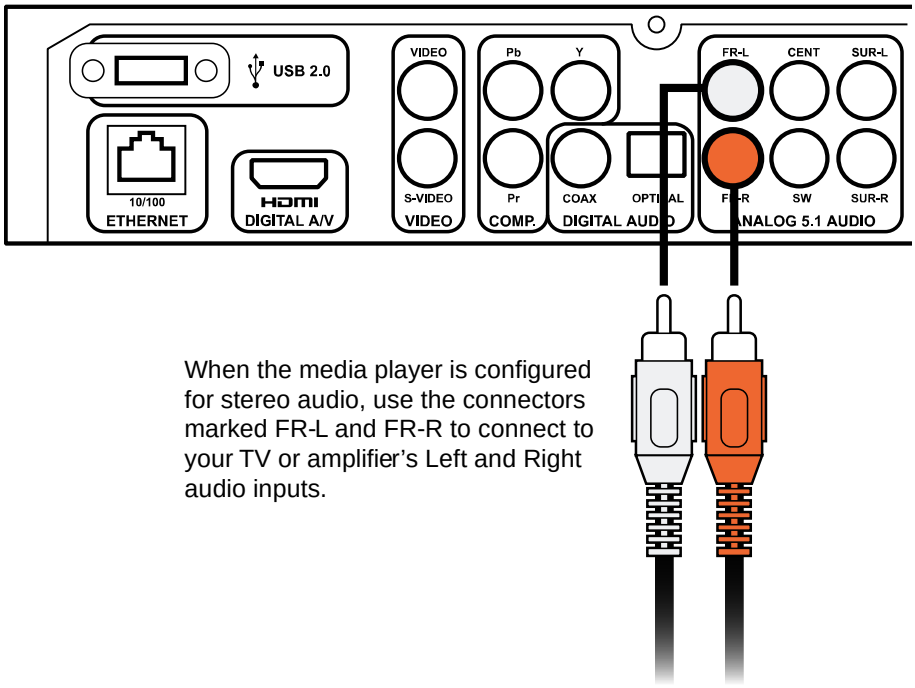


Ensure that cables are plugged into the corresponding connectors on both the media player and your amplifier.

Connection Guide

Analog 2CH - Stereo (Audio)

The ClearStream can down mix digital audio to an analog stereo audio output. This can be fed to a stereo amplifier or your television.

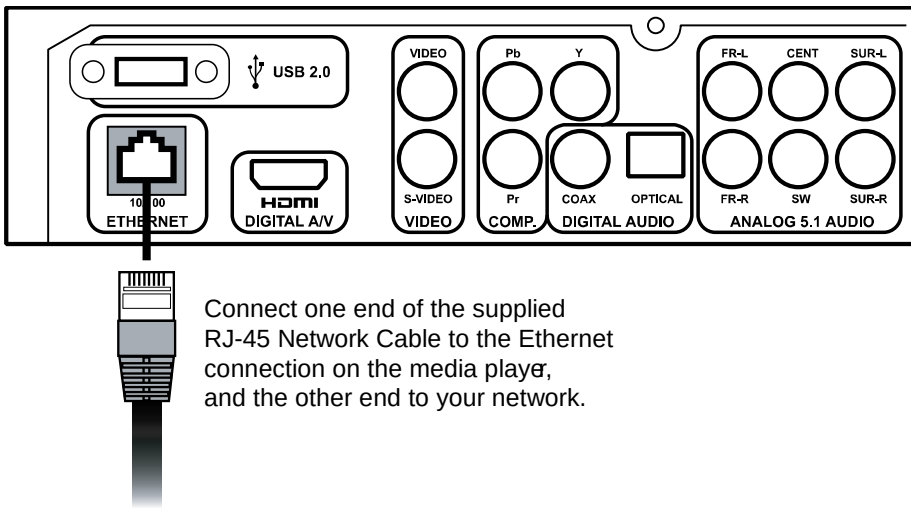


When the media player is configured for stereo audio, use the connectors marked FR-L and FR-R to connect to your TV or amplifier's Left and Right audio inputs.

Connection Guide

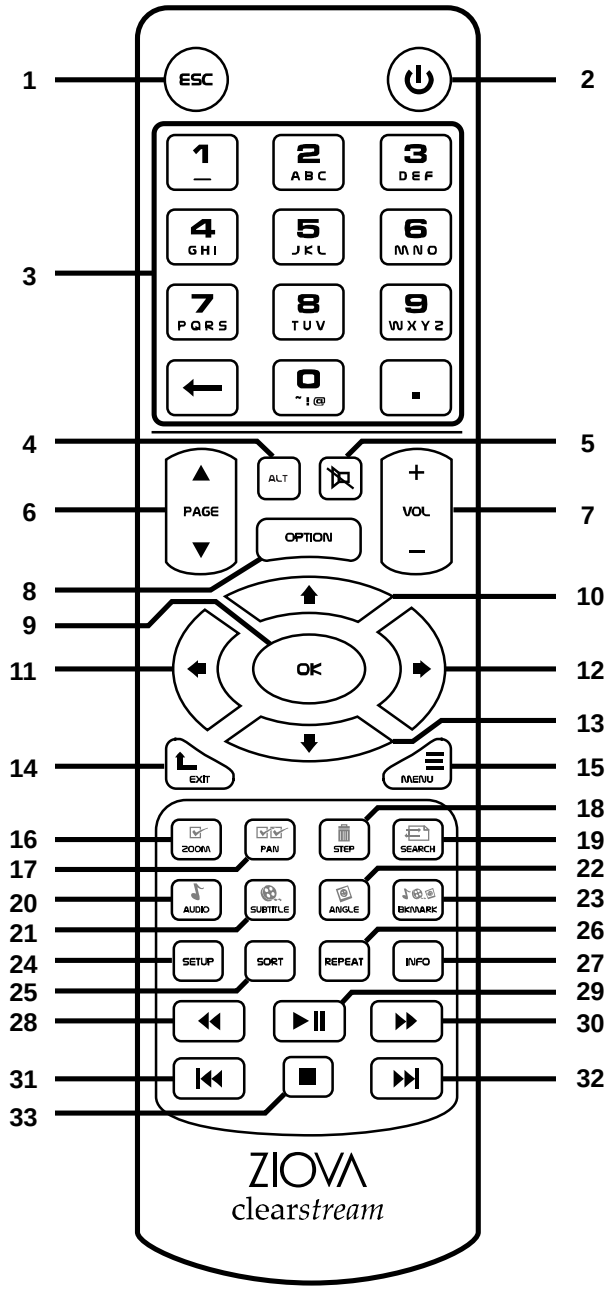
Network

The ClearStream provides the ability to connect to your home network via an Ethernet Network Connection (10/100Mbit RJ-45 Connection).



Connect one end of the supplied RJ-45 Network Cable to the Ethernet connection on the media player, and the other end to your network.

Remote Control



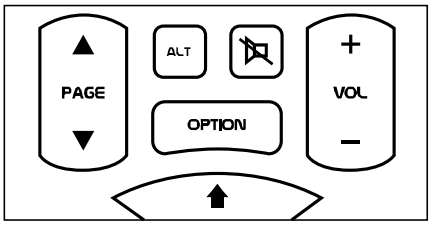
1. Escape*
2. Standby On / Off
3. Alpha / Numeric Keyboard
4. ALT – Alternate Function
5. Mute
6. Page Up / Down
7. Volume Up / Down
8. Option Button
9. OK – Select Menu
10. Up Arrow
11. Left Arrow
12. Right Arrow
13. Down Arrow
14. Exit current menu / screen
15. Menu Button
16. Zoom / Select
17. Pan / Select All
18. Step (C-skip) / Deselect All
19. Search / Queue
20. Audio / Music
21. Subtitle / Video
22. Angle / Picture
23. Bookmark / All
24. Setup Menu
25. Sort
26. Repeat*
27. Information
28. Rewind
29. Play / Pause
30. Forward
31. Chapter Back / Last Item
32. Chapter Forward / Next Item
33. Stop

* Reserved for Future Use

Remote Control

The Option Button

This button can perform different operations and access different options depending on what the ClearStream is doing at the time.



Some of the selections that the option button is used for include:

Adjust Volume

Adjust Brightness

Adjust Contrast

Adjust Color Saturation

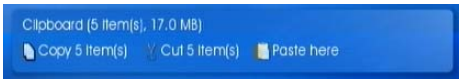
Select DVD Angle
(on DVD ISO's with alternate angles)

Select Subtitles

Select Audio Tracks On Supported Media
(DVD ISO's, Nero Digital and AVI files)

Set Zoom Level

Adjust The Pan When The Picture Is Zoomed



Copy, Cut and Paste files on the Hard Disk

Click the option button to get to the option you want, and then use the arrow keys left/right or up/down to make the changes. Press 'OK' when done.

Some of these functions can be accessed directly from the dedicated buttons on the remote control as well.

e.g. Press the 'Audio' button to toggle audio streams.

Remote Control

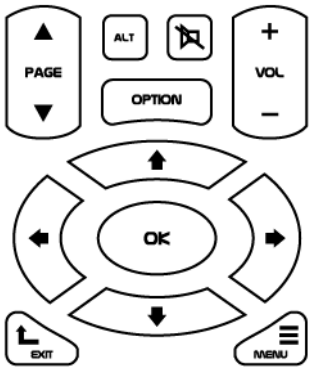
Zooming and Panning

Press the Zoom button or press the option button until you see the Zoom option, then press left or right to adjust the zoom level.

While zoomed in you can also pan the screen around to see the rest of the picture.

Press the Pan button or press the option button until you see the Pan option, then the arrow keys can be used to pan in all four directions moving the zoomed-in section around.

Navigation



To navigate through the ClearStream's Menu options and File browser use the four directional arrow keys.

To select the currently highlighted item Press 'OK'

For longs lists displayed on screen you can use the 'PAGE UP/DOWN' button to move up and down a whole screen at a time.

Use the 'EXIT' button to return/go back one level and Press 'MENU' to go straight to the Home page.

For fast navigation in large lists you can jump to files/items starting with a specific letter using your remote control keypad. For example, you can press the number '8' to move to the first file in a list that starts with the letter 'T'. See *Entering Text* for more information.

Remote Control

Entering Text

When using your ClearStream remote control, there may be places in which you need to enter text.

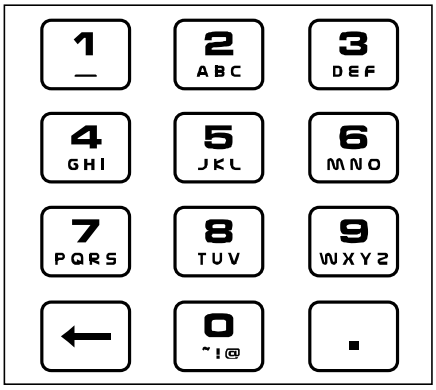
The remote control has an alpha-numeric style keypad so that you can enter text when required.

Text is entered via the remote control in much the same way as you would enter text using a mobile phone keypad.

Keys need to be pressed multiple times to enter the letter corresponding to that key.

If you make a mistake at any point, you can use the 'BACKSPACE' key to go back and correct your input.

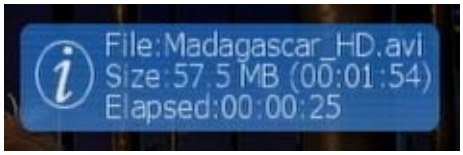
You can also use the 'EXIT' button to exit from an input screen without accepting the inputted text.



To enter the text "test 5"	
Press "8" x 1	*"t" is displayed*
Press "3" x 2	*"e" is displayed*
Press "7" x 4	*"s" is displayed*
Press "8" x 1	*"t" is displayed*
Press "1" x 1	*space is entered*
Press "5" x 4	*"5" is displayed*

INFO button

You can bring up a pop up window while playing back video to see information about the file, total time and time elapsed by pressing the 'INFO' button on the remote control.



The 'INFO' button will also toggle the information that is displayed on the front panel display on most file types.

For example, pressing the 'INFO' button will toggle between displaying the filename being played, and the time counter.

Setting Up Your ClearStream

Preparing Your Hard Disk

If you have installed the optional Hard Disk in the Hard Disk Caddy you will need to prepare your Hard Disk for use. If you have not yet installed your Hard Disk please see *Installing Hard Disk Drive.*

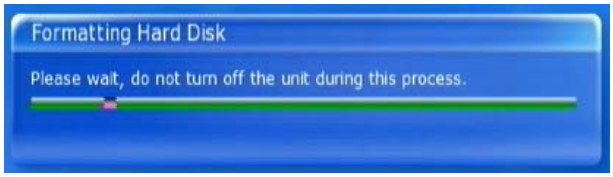
If you purchased your player with a bundled drive the hard disk may have already been prepared by your supplier. If this is the case you may skip these steps.

To prepare your disk it needs to formatted to be compatible with your ClearStream device.

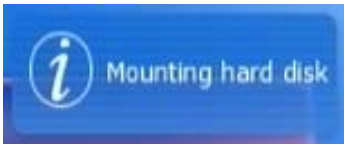
The first time you start your player with the Hard Disk inserted you will be presented with the following screen.

All data will be erased from your Hard Disk during the preparation, please make sure any data you require on the Hard Disk is backed up before continuing.

Click on ‘YES’ and then click ‘YES’ to confirm the process to prepare your Hard Disk. This process may take up to 5 minutes depending on the size of your Hard Disk.



Once the ClearStream has finished it will display the following screen. Click ‘OK’ and your player will display an information message to say the Hard Disk has been mounted.

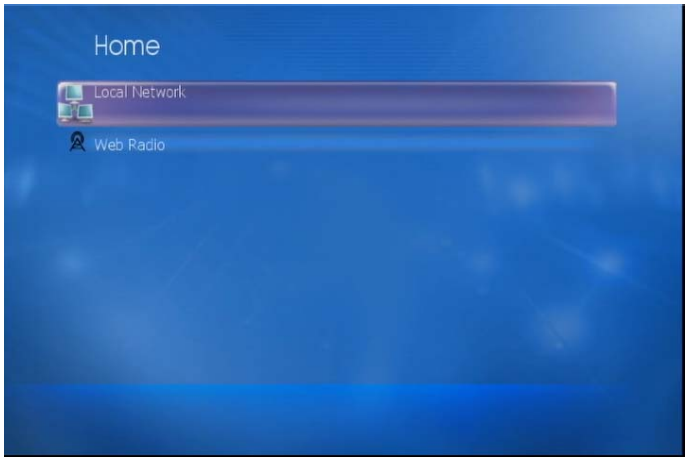


Your Hard Disk has now been prepared for use in your ClearStream player.

Setting Up Your ClearStream

Settings Menu

After you have plugged your ClearStream into your display and audio devices, you will need to make sure that the settings are configured correctly to ensure that you get the best possible video and audio output.

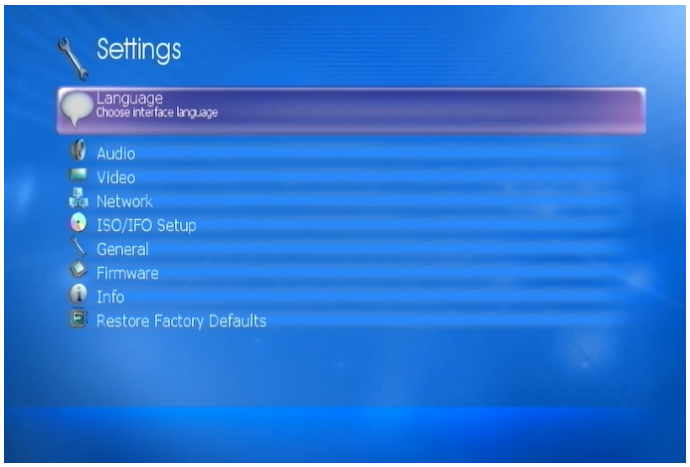


You will be presented with a screen similar to above.

The initial start up screen changes depending on available media sources. For more information on the Home screen see *Using Your ClearStream*

To set up or configure all of the many settings in the ClearStream CS615 you will need to use the SETTINGS menu. From the settings menu you can access anyone of the SETTINGS areas.

Press ‘SETUP’ on the remote. You will then be presented with the Settings screen.



The settings menu allows you to change the settings of your ClearStream CS615.

The following pages detail the different settings available to configure.

Setting Up Your ClearStream

Language Settings

The language settings allow you to choose the language the Graphical User Interface (GUI) is displayed in.

*List of languages to display the Interface**

The currently selected language choice is shown with a green tick.

Using the arrow keys on the remote control, move the highlight bar down to select the language of your choice, then press ‘OK’ on the remote control.

Move the highlight bar down to ‘Apply Settings’ and press ‘OK’ on the remote control. This will save your settings to the player and ask you to restart your player.

If you wish to discard your changes, or simply exit this menu, just press ‘EXIT’ on the remote control and your changes will be discarded.

* Languages displayed in screenshot are languages available at time of writing. Available languages may change with firmware updates.

Setting Up Your ClearStream

Audio Settings

The Audio settings page allows you to configure how you want the ClearStream to treat audio streams on the player.

You can change each of the settings by highlighting an option using the arrow keys on the remote control, and pressing the 'OK' button to toggle the selections.

Click on 'Apply Changes' when you are finished.

Output	*Configures whether you want the player to output 5.1ch or Stereo (Downmixed)* *If set to Stereo (Downmixed) the ClearStream will convert 5.1ch to Stereo. Useful if you only have two speakers attached to your Amplifier or you are connected to TV speakers.*
SPDIF Output	*Controls how your player handles audio streams such as Dolby Digital and DTS.* *Encoded Digital outputs Dolby Digital and DTS as encoded data for your amplifier to decode.* *Analog/DPCM makes the ClearStream decodes the data and then outputs it to the Amplifier in a PCM audio stream.*
Volume Controller	*Enables or disables the Volume Controller.* *Useful if you only use your Amplifier to control the volume.* ***Note:** Reducing the volume of the signal on the player and increasing the volume on your amplifier increases the stress on your amplifier.*

Below are some examples of audio output configurations:

Output set to '5.1 Surround' and SPDIF output set to 'Encoded Digital'

Output set to 'Stereo (Downmixed)' and SPDIF output set to 'Analog/DPCM'

Setting Up Your ClearStream

Video Settings

The Video settings page allows you to choose the output video mode for your ClearStream player.

Upscaling on DVD ISO playback is only available through the HDMI port. All other video types can be upscaled on both the analog and HDMI video outputs.

You can change any of the options by highlighting then and using the ‘OK’ button to toggle/cycle through the available options.

If you are using the HDMI output on the ClearStream, you can either let the player auto detect the HDMI output resolution, or manually set it.

When using the HDMI output port, the analog video outputs are disabled.
1080P output is available only on HDMI.

TV Standard	*Changes the video output mode for the Analogue video output. Not all settings are compatible with all connection modes. See below table for available video modes.*
TV Type	*Changes the output between WideScreen (16:9) or Standard (4:3). Most flat panel display devices are in the WideScreen format.*
HDMI Mode	*Change the video output modem for the HDMI video output. You can only alter this setting when HDMI mode it is in use. Displays ‘NA’ when HDMI not in use. Set to Auto-Detect for the player to automatically workout the best resolution for your TV.*
Output	*Displays the currently active output mode. Shows ‘DVI/HDMI’ when HDMI output is active and ‘S-Video/Component/SCART’ when HDMI is not active and Analog outputs are in use. You cannot change this setting it is just an informational status.*

Click on ‘Apply Settings’ when you are finished. The ClearStream will pop up a window asking you to confirm that you wish to accept the changes.

The player has a 10 second time out on the confirmation window, so if your display device does not support the video mode that you have selected and you see a blank or corrupted screen, you can wait for this timer to expire and the player will revert back to the previous video mode.

Setting Up Your ClearStream

Video Settings

You can select the following output resolutions for the player by highlighting the 'TV Standard' option and pressing the 'OK' button to toggle through the video modes.

Some of the available video modes that the ClearStream supports are…

Setting	Resolution	Frames per Second	Output
PAL	720x576	50 Interlaced (PAL)	Composite, S-Video, Component
NTSC	720x480	60 Interlaced (NTSC)	Composite, S-Video, Component
NTSC Progressive	720x480	60 Progressive (NTSC)	Component
PAL Progressive	720x576	50 Progressive (PAL)	Component
720p50	1280x720	50 Progressive (PAL)	Component
720p60	1280x720	60 Progressive (NTSC)	Component
1080i50	1920x1080	50 Interlaced (PAL)	Component
1080i60	1920x1080	60 Interlaced (NTSC)	Component

Please make sure you choose a resolution your TV supports. If you get a black screen or no output when you 'Apply Settings' wait for the Confirmation box to time out or you can use the VFD to navigate and correct the settings.

Below are some examples of video output configurations:

Set TV Type to Wide Screen (16:9) if you have a widescreen monitor.

This will ensure that 16x9 file types fill your screen, and 4x3 files are pillar boxed.

Set TV Type to Standard (4:3) if you have a standard shaped monitor.

This will ensure that 4x3 files fill your screen, and 16x9 files are letterboxed.

Setting Up Your ClearStream

Network Settings

To access files or internet based media over your network, you will need to connect your ClearStream to a network and configure it.

The player supports the automatic acquisition of IP addresses from DHCP server devices to make setting up your player easy. If you leave the network settings to “AUTO”, the player will attempt to acquire the network settings from a DHCP server within your local network or, if you wish, you can also enter the IP address manually.

The following options can be configured. For more information on some of the settings see *Windows Network Setup* and *SMB/FTP Server*

IP Address	*Set to ‘Auto’ for your player to obtain an IP address via DHCP or enter an IP address using the remote control keypad.*
Subnet Mask	*Set to ‘Auto’ to set you Subnet automatically or manually enter a subnet mask using the remote control keypad. The subnet mask will automatically be filled in when you set an IP address manually.*
Gateway	*Set to ‘Auto’ for your player to obtain the network Gateway IP address via DHCP or enter the Gateway IP address using the remote control keypad.*
DNS Server	*Set to ‘Auto’ for your player to obtain the network DNS Server address via DHCP or enter a DNS Server IP address using the remote control keypad.*
Device Name	*Set the device name your player uses on the Network. The device name is used to address your ClearStream from the network.*
Workgroup	*The workgroup is the group of computers or neighborhood on your network that your ClearStream belongs to. You can only access computers on the network that are part of the same workgroup as your ClearStream.*
FTP Server	*Turn the FTP Server feature On or Off.*
SMB Server	*Turn the SMB Server feature On or Off.*
FTP/SMB Password	*Set the password required to access the FTP Server and SMB Server on your ClearStream player.*
FTP/SMB Security	*Turn On or Off the need to enter a password to access your ClearStream via SMB or FTP.*

A DHCP server is a server or device that is designed to make TCP/IP network configuration easy. Most Broadband Internet routers act as DHCP servers on a local network. Consult your routers manual if you are unsure if it supports this function, and for instructions on how to set it up.

Setting Up Your ClearStream

Network Settings

Below are some examples of Network setup options:

Network Settings screen allows you to configure all your network options.

Enter an IP address manually or leave it set to Auto assigned.

Enable or Disable FTP & SMB Servers.

Set the device name that your ClearStream appears as on the network.

Setting Up Your ClearStream

Configuring Network Sharing

Checking Workgroup Settings

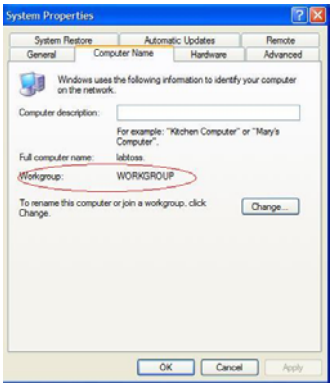
Before you can use the SMB network effectively, you need to configure your player and you will need to configure your PC to share your media.

To be able to detect and browse available shares on your PC, both the ClearStream and PC must be in the same workgroup.

If you have any software firewalls installed you will need to disable them or configure them correctly to allow network traffic. Please consult your firewalls documentation for configuration information.

The Windows firewall will automatically be configured by Windows when you set up your sharing. If you have any problems you should temporarily disable the Windows firewall to diagnose network connection issues.

To check what workgroup your PC is in open up the System Properties from the Control Panel.



Check which workgroup your computer is on. In Windows XP open the system properties from the control panel and click on the Computer Name tab.

You can change your ClearStream's workgroup settings to match your PC.

Your workgroup name needs to be the same as is set on your PC's in your local network.

Your device name must be unique on the network; the device name is an ID for your player on the network. Do not set this the same as your PC's computer name. If you have no reason to change it then it is best left as the default "CS615".

It may also help to check your 'Computer Name'. If it is an automatically generated name like "COMPUTER-018709" you might like to change it to something with a bit more meaning like your name or computer model – eg "TECRA".

Setting Up Your ClearStream

Configuring Network Sharing

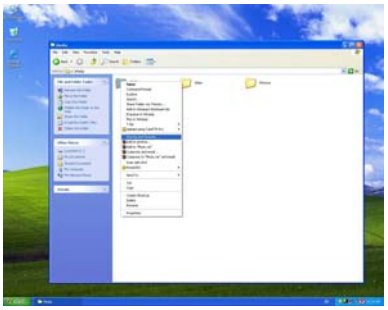
Sharing your Media

To enable access to your media from your ClearStream you need to share the folders that contain your files.

Windows XP has inbuilt security on default folders such as My Music, My Pictures etc. It is suggested to store your media outside of these folders to enable easier access via the network.

You can still share these folders but security permissions and access rights must be changed. For more information consult your Operating system documentation.

To share your media you need to follow the following steps



Right click on the Folder you wish to share and click on 'Sharing and Security'

Music Properties
General
Sharing
Customize
Local sharing and security
To share this folder with other users of this computer only, drag it to the Shared Documents folder.
To make this folder and its subfolders private so that only you have access, select the following check box.
Make this folder private
Network sharing and security
To share this folder with both network users and other users of this computer, select the first check box below and type a share name.
Share this folder on the network
Share name:
Music
Allow network users to change my files
Learn more about sharing and security.
Windows Firewall is configured to allow this folder to be shared with other computers on the network.
View your Windows Firewall settings
OK
Cancel
Apply

Tick 'Share this folder on the Network' and change your share name if you wish.

Music Properties
General
Sharing
Customize
Local sharing and security
To share this folder with other users of this computer only, drag it to the Shared Documents folder.
To make this folder and its subfolders private so that only you have access, select the following check box.
Make this folder private
Network sharing and security
To share this folder with both network users and other users of this computer, select the first check box below and type a share name.
Share this folder on the network
Share name:
Music
Allow network users to change my files
Learn more about sharing and security.
Windows Firewall is configured to allow this folder to be shared with other computers on the network.
View your Windows Firewall settings
OK
Cancel
Apply

To add and change data in this share from another PC tick the 'Allow network users to change my files'

If you encounter any steps that are different from this manual, you may have 'Simple File Sharing' disabled on your PC. Please re enable it and follow these steps again. For more information please consult your Operating System documentation or check Ziova support for setting up *SMB Sharing with Windows.*

Your player is now configured for network access, and may access files that are shared on your local network and access internet content.

Please note that the ClearStream uses simple file sharing mode for SMB (Windows style) file shares. On Windows 2000, XP etc, you will need to ensure that the "Guest" user account is active, and that the "Guest" user or "Everyone" has access to both the shares, files and folders that you wish to access on your computer.

You may have to configure, or disable, software firewalls to enable communication between your ClearStream and PC. Please refer to your firewall documentation for more information.

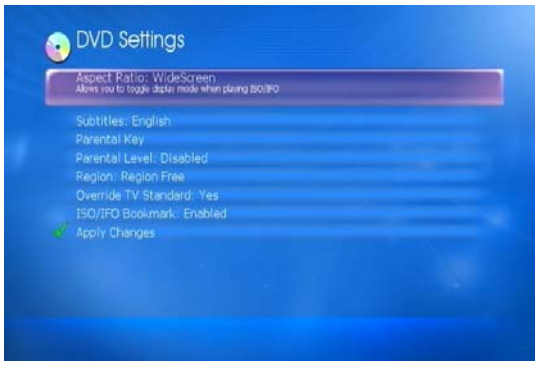
Setting Up Your ClearStream

ISO/IFO Setup

The ISO/IFO settings configure options on how the ClearStream handles DVD ISO/IFO file playback.

Aspect Ratio	*Change the default Aspect Ratio set when playing back DVD files. You can choose from WideScreen, Pan and Scan or Letterbox.*
Subtitles	*Sets the default subtitle language to be used during DVD playback.*
Parental Key	*Set the key or password required if watching DVD ISO's with a rating above the Parental Level.*
Parental Level	*Sets the highest Rating Level that can be watched before having to enter a the Parental Key to watch.*
Region	*The default DVD Region for your player. This is informational only and cannot be changed as players are locked to the region of sale.*
Override TV Standard	*Turn the ability to override the TV Standard settings On or Off.*
ISO/IFO Bookmark	*Enable or Disable the ISO/IFO Bookmarking feature. If Enabled when you press stop it Bookmarks its position and next time you press 'Play' it asks if you wish to resume from the last position.*

Below are some examples of ISO/IFO Setup configurations:



Set the 'Aspect Ratio' to 'Widescreen', 'Pan and Scan' or 'Letter box'

Set the 'Parental Key' to be entered when you try and play a DVD ISO with a higher rating than that specified.

Setting Up Your ClearStream

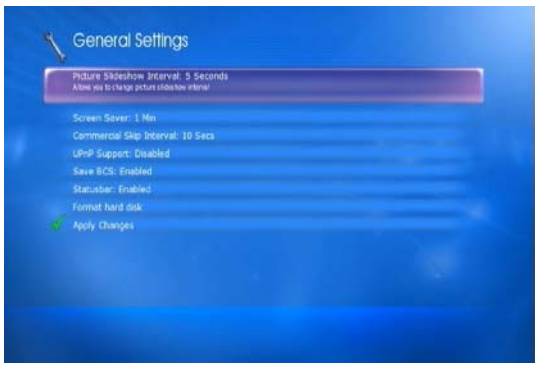
General Settings

General settings configure options related to the general operation of the player.

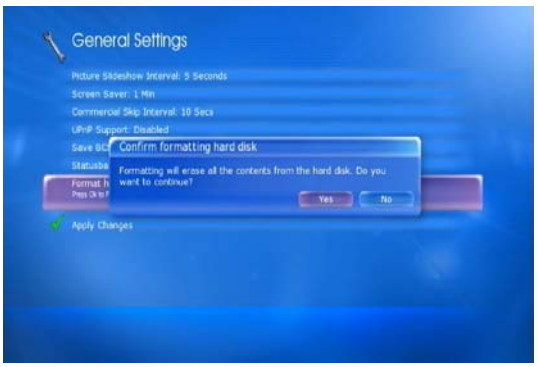
Change any of the following settings and click ‘Apply Settings’ to save.

Picture Slideshow Interval	*Change the Interval of time before displaying the next picture during a slideshow. Choose between 5, 10, 15 and 20 seconds.*
Screen Saver	*Change the length of time the player must be idle before the screensaver comes on. Choose between Off, 1, 2, 3, 4, 5, 10, 15, 20 minutes.*
Commercial Skip Interval	*Change the amount of time to skip forwards or backwards in a file when commercial skip function is used. Choose between 10, 20, 30, 40, 50 seconds and 1 minute.*
Upnp Support	*Turn Upnp support On or Off. On allows you to browse and playback files from an available Upnp server on your network such as TwonkyVision or Tversity.*
Save BCS	*Enabled or Disable the Save Brightness, Contrast and Saturation settings feature On and Off. When enabled it will save the settings when you turn the player Off.*
Statusbar	*Enable or Disable the On Screen Statusbar messages. Disabled means pop up status messages will not be displayed.*
Format Hard Disk	*Use this option to reformat your Hard Disk if you want to clear the data or you are having trouble accessing it.*
Screensaver Cover Art	*Enable or Disable the display Cover Art as the Screensaver when available. When disabled it will still show the normal screen saver even if a Cover Art image is available.*

Below are some examples of the General Setup:



General Settings Screen


General Settings
Picture Slideshow Interval: 5 Seconds
Screen Saver: 1 Min
Commercial Skip Interval: 10 Secs
UPnP Support: Disabled
Confirm formatting hard disk
Formatting will erase all the contents from the hard disk. Do you want to continue?
Yes
No
Apply Changes

Use the Format Hard Disk option to erase the data on your Hard Disk

Setting Up Your ClearStream

Firmware Updates

The ClearStream has the ability to upgrade the firmware to update the player with newer features and upgrades.

You can update the firmware by USB or over the Web.

Note: For more information on updating the firmware please see *Appendix A.*

Always proceed with caution when upgrading your firmware and make sure you follow all instructions carefully.

When upgrading from the web please make sure you have a stable internet connection.

If upgrading via disc or USB please consult the instructions on how to create the upgrade media.

Do not under any circumstances disconnect power from the player during a firmware upgrade. To do so may cause the player to no longer function.

Always wait for the player to fully complete the firmware upgrade before restarting the player.

If you are using the HDMI video output, the screen may go blank during the update.

If in any doubt about this process, you can submit a support ticket at the Ziova Online Helpdesk: www.ziova.com/helpdesk

Setting Up Your ClearStream

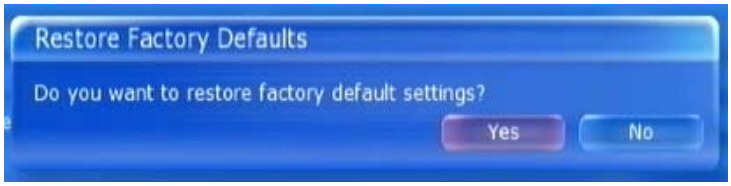
Info

The Info page displays device information about your player. This information is used for informational purposes and can be used for trouble shooting network issues, etc.

Current Version	*Displays the current version of firmware installed on your player.*
IP Address	*The IP address your player is using on the network. If 'NA' is displayed it means your player does not have a valid IP address. This will only happen if your IP address is set to 'AUTO' and your player cannot contact a valid DHCP server on the network.*
Subnet Mask	*The subnet mask your player is using. If 'NA' is displayed it means your player does not have valid IP settings. See the IP address at the top of this table for more information.*
Gateway	*The gateway your player is using. If 'NA' is displayed it means your player does not have valid IP settings. See the IP address at the top of this table for more information.*
DNS Server	*The DNS server your player is using. If 'NA' is displayed it means your player does not have valid IP settings. See the IP address at the top of this table for more information.*

Restore Factory Default Settings

You can restore your player to Factory default settings by clicking 'Restore Factory Defaults' in the 'Settings' page.



Please note that you can also perform the below steps using just the front panel display if your TV settings are incorrect and you cannot see the screen.

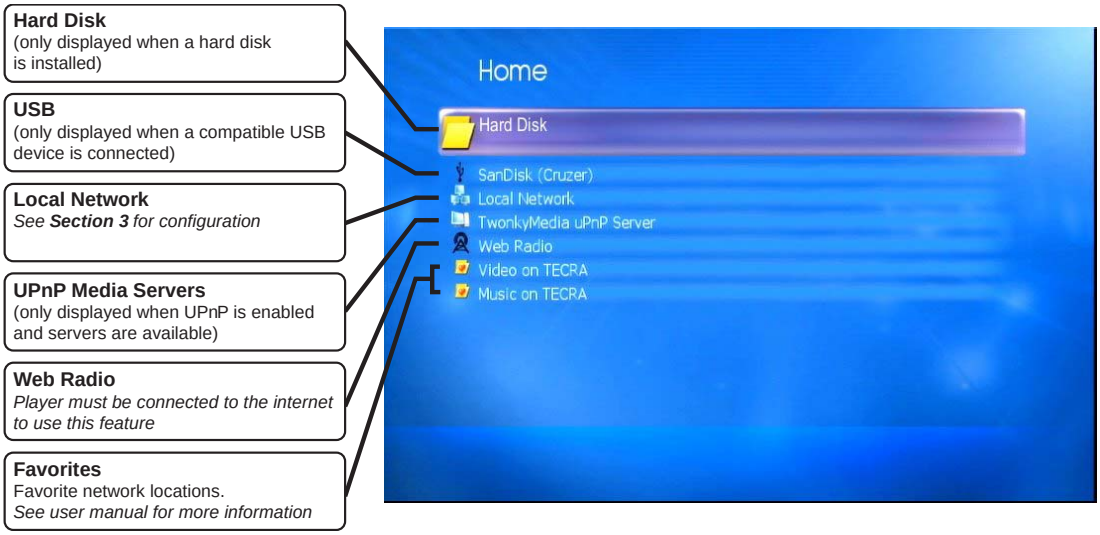
1. *Go to 'Settings'*
2. *Scroll down to 'Restore Factory Defaults'*
3. *Press 'OK'*
4. *Choose 'YES' to confirm.*

Using Your ClearStream Player

Selecting a Source

Turning on the player will present you with the main screen from which you can choose your media source. The main screen will show different options according to which sources are available at the time.

The following diagram displays the available media options.



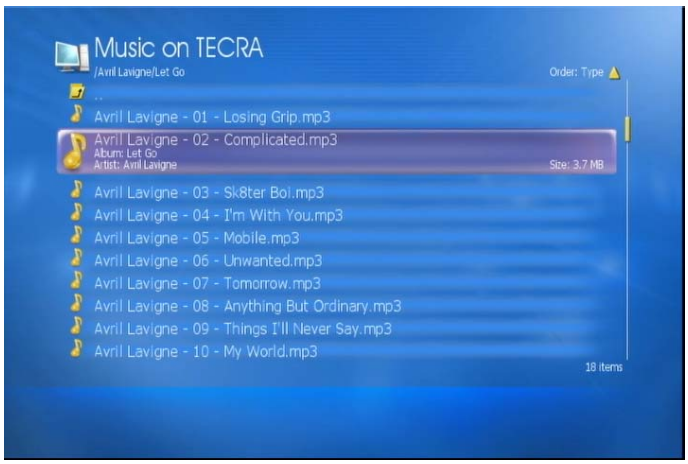
From the main screen you may choose the source you wish to play media from, Hard Disk, USB, Local Network, uPnP media servers or Web Radio. Use the arrow keys on your remote control to select the type of source you wish to browse and press ‘OK’

While navigating sources, only supported file types will be displayed. You can choose which types of files are displayed; see Navigating Media Sources for more information.

Using Your ClearStream Player

Navigating Media Sources

After selecting your source you can then navigate through the file structure of the selected source to find the file you wish to play.


Music on TECRA
/Avril Lavigne/Let Go
Order: Type
..
Avril Lavigne - 01 - Losing Grip.mp3
Avril Lavigne - 02 - Complicated.mp3
Album: Let Go
Artist: Avril Lavigne
Size: 3.7 MB
Avril Lavigne - 03 - Sk8ter Boi.mp3
Avril Lavigne - 04 - I'm With You.mp3
Avril Lavigne - 05 - Mobile.mp3
Avril Lavigne - 06 - Unwanted.mp3
Avril Lavigne - 07 - Tomorrow.mp3
Avril Lavigne - 08 - Anything But Ordinary.mp3
Avril Lavigne - 09 - Things I'll Never Say.mp3
Avril Lavigne - 10 - My World.mp3
18 items

You can press ‘EXIT’ on the remote control at any time to take you back one layer/folder at a time, or press ‘MENU’ to take you straight back to the start screen.

An icon will be displayed on the left hand edge of the screen to indicate the type of file being displayed. The following types will be displayed:

Music

Video

Picture

Playlist

For long lists of files you can use the ‘PAGE UP’ & ‘PAGE DOWN’ to move up and down one page at a time. To jump to the bottom of the list hold down the ‘RIGHT’ button and to jump to the top of the list hold down the ‘LEFT’ button.

If you know the name of the file you are looking for you can, using the user input keys, enter the starting letters of the file. For example to jump to the file “WALKING.AVI” you would press ‘9’ and then ‘2’. See the remote section for more information.

Using Your ClearStream Player

Filtering File Types

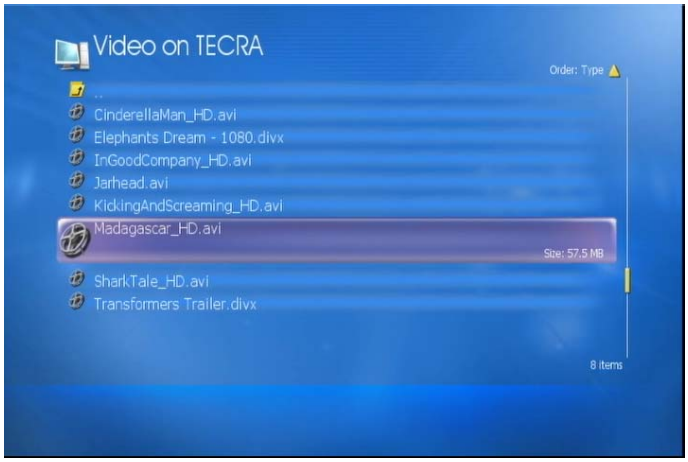
At any time while navigating your files you can apply a filter to only display specific file types. To apply a filter to only display video files press the ‘SUBTITLE/VIDEO’ button on the remote control. When a filter is applied an icon in the top right of the screen will appear showing the current filter. To disable a filter press the ‘BOOKMARK/ALL’ button on the remote control.

Your player will hold the filter until you change media sources, change shares within your network or power off your player.

Playlist files will be displayed in all filter types.

Playing a File

Once you have found the file you wish to play, you can highlight it using the ‘UP’ & ‘DOWN’ arrows and Press ‘OK’ on the highlighted file.



The playback behaviour will vary depending on the file type being played back.

See the remote control section for playback options.

Once you have begun playback the player will continue to play subsequent files in the folder until it reaches the last file in the folder.

Using Your ClearStream Player

Active Playlists

The ClearStream player uses an active playlist system, which manages the files that are scheduled to be played back. You can modify this playlist to play files of all types in the order that you wish.

When you start playback of a file, the player will add the highlighted file and all subsequent files in the folder to the playlist automatically.

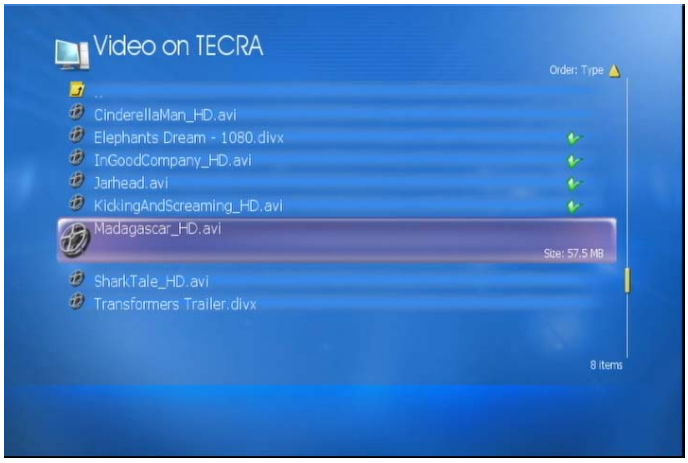
You can create a custom playlist of the files you wish to play and you can, at anytime, delete items, add items, re-order the playback order and sort the list.

You can access the active playlist while navigating your media sources at any time by pressing the ‘RIGHT’ button and you can exit the playlist by pressing the ‘LEFT’ or ‘EXIT’ button. If you do not have any files in your active playlist you cannot view the playlist.

Selecting Items

While navigating your media source you can add items by selecting them and enqueuing them to the playlist.

To select a file you highlight the file you wish to select and press the ‘ZOOM/SELECT’ button. A green tick will appear on the right hand side to show that the file is selected. Press the ‘ZOOM/SELECT’ button on the selected file again to deselect the file.



If you press the ‘ZOOM/SELECT’ button a second time it will select the next file in the list. You can continue to press the ‘ZOOM/SELECT’ button to increment and select multiple files in a row.

Using Your ClearStream Player

Active Playlists

Selecting Items (Continued)

The select incrementing function remembers which direction you last moved the cursor and will move in that direction. For example if you were moving down a list and pressed ‘ZOOM/SELECT’ 5 times then it would select the highlighted file and the 4 files below it. If you were moving up the list and hit the ‘ZOOM/SELECT’ button 9 times it would select the highlighted file and the 8 files above it.

If you hold the ‘ZOOM/SELECT’ button it will move along the list selecting the files.

To select all files in a folder press the ‘PAN/SELECT ALL’ button; to unselect all files hold the ‘PAN/SELECT ALL’ button.

Adding Items

With selected items you can either add them and continue navigating or add and view the playlist.

With the files, you wish to add, selected press the ‘SEARCH/ENQUEUE’ to add them to the playlist. If you wish to add and then view the playlist you can hold the ‘SEARCH/ENQUEUE’ button.

Deleting Items

When viewing the active playlist you can remove items by selecting them and pressing the ‘STEP/TRASH’ button. To remove a single file you can just highlight it and press the ‘STEP/TRASH’ button.

When all files have been removed from the active playlist the playlist editor will exit and take you back to file navigation.

Using Your ClearStream Player

Active Playlists

Reordering items

You can re-order the playlist order in which your files playback.

To change the order or position of a file in the list, highlight the file you wish to move, and press the ‘ALT’ button; then using the ‘UP’ and ‘DOWN’ buttons move the file to the desired location. Press ‘OK’ the save the items new location.

If you have already applied a sort mode (see below) and you try and reorder your list, you will get a message to tell you that File reordering is only allowed in Custom sort mode and whether you want to change the sort mode.

Playlist
Order: Type
Avril Lavigne - 01 - Losing Grip.mp3
Avril Lavigne - 02 - Complicated.mp3
Avril Lavigne - 03 - Sk8ter Boi.mp3
Album: Let Go
Artist: Avril Lavigne
Size: 3.1 MB
Can't Reorder File
File reordering allowed only in custom sort mode.
Do you want to change the sort mode?
Yes
No
Avril Lavigne - 08 - Anything But Ordinary.mp3
Avril Lavigne - 09 - Things I'll Never Say.mp3
Avril Lavigne - 10 - My World.mp3
Avril Lavigne - 11 - Nobody's Fool.mp3
ALT
18 items

Sorting Your Playlist

You can sort both the active playlist and the file-list while navigating your media source.

The sort modes available to you are dependent upon the files available in the list.

Some of the available sort modes are:

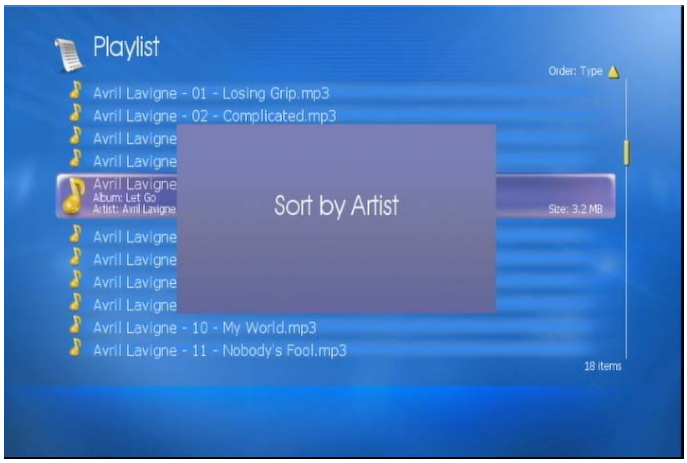
Type, Date, Artist, Track Number, Album, Genre, Year, Name, Title, Size, Source

To apply a sort to your list hold down the ‘SORT’ button and a pop up box will appear that scrolls through the available sort options. Continue to hold it until the sorting option you want appears and then release the ‘SORT’ button. If you have a large list of files it can take quite a while for the player to resort the displayed list.

Using Your ClearStream Player

Active Playlists

Sorting Your Playlist (Continued)



Shuffle can only be used on the active playlist and is in the sort options.

If you have custom sorted your playlist by reordering the files and you try and sort your list, you will get a message to tell you that changing the sort mode will reset your custom order and confirms whether you want to change the sort mode.

Playlist
Order: Custom
Avril Lavigne - 01 - Losing Grip.mp3
Album: Let Go
Artist: Avril Lavigne
Size: 3.6 MB
Avril Lavigne - 02 - Complicated.mp3
Sort Mode Change
Changing the sort mode will loose the playlist file order.
Are you sure you want to change the sort mode?
Yes
No
Avril Lavigne - 08 - Anything But Ordinary.mp3
Avril Lavigne - 09 - Things I'll Never Say.mp3
Avril Lavigne - 10 - My World.mp3
Avril Lavigne - 11 - Nobody's Fool.mp3
18 items

Using Your ClearStream Player

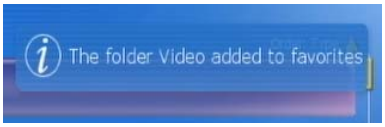
Saving Favorites

Your ClearStream player has a favorite location feature to enable you to bookmark locations you commonly access on your player to save you having to navigate to the location every time you want to play a file.

Your saved favorites appear on the main menu for quick access. If you have more than 5 favorites saved; they are then grouped into a favorite folder to save space.

Favorites can only be saved for locations on the local network or folders on the Hard Disk. They are not compatible with USB devices or UPnP media servers.

To save a favourite, navigate into the folder you wish to save and with the '..' item at the top of the folder selected press 'ALT' and then 'BKMARK', you will get a pop up saying the folder has been added to favorites.



You can also just highlight the folder and add it to favourites, for all folders other than the root share.

To access your favourites, you highlight the favorite at the main menu and press 'OK'. Note that in order for the ClearStream to access the favorite folder the network device must be on and the location must be available.

Deleting Favorites

To delete a favourite, highlight the favorite at the Main Menu and press the 'STEP/TRASH' button. Press 'YES' to confirm that you wish to delete the favorite.

Using Your ClearStream Player

Hard Disk File Management

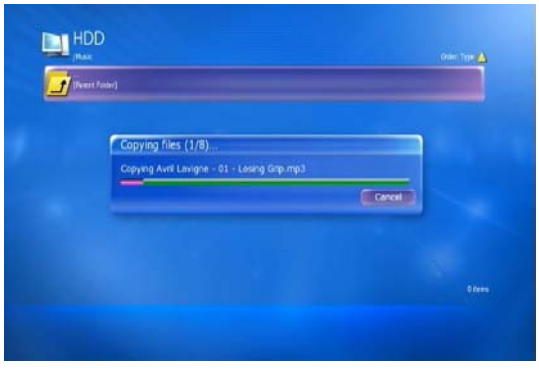
You can copy files to the Hard Disk and move files around using your remote control. This saves the need to have a PC to paste files to your Hard Disk.

You can also move files from folder to folder or delete unwanted files from the hard disk.

Copying Files to Hard Disk

1. Navigate to the source you wish to copy from. You can copy files from any available SMB share or USB device.
2. Select the files you want to copy (see *Selecting Items* for more information)
3. With the files selected press the 'Option' button. Press 'OK' to Copy the files to the clipboard. You will see a pop up message telling you how many files are to be copied.
4. Navigate to the location on your Hard Disk you wish to copy the files to.
5. Press the 'Option' button. Press 'OK' on 'Paste'

The progress of the file copy will be shown. It will report which file it is currently copying from the list, and the progress bar indicates the overall progress for the whole copy process.



Using Your ClearStream Player

Hard Disk File Management

Copying or Moving Files within the Hard Disk

You can also move files from one place to another on the Hard Disk or make multiple copies of a file.

1. Navigate to the location on your Hard Disk you wish to copy or move items from.
2. Select the files you want to copy or move (see *Selecting Items* for more information)
3. With the files selected press the 'Option' button. Use the 'LEFT' or 'RIGHT' button to highlight either 'Copy' or 'Cut'. Press 'OK' to Copy or Cut the files to the clipboard. You will see a pop up message telling you how many files are to be copied or moved.
4. Navigate to the location on your Hard Disk you wish to copy or moved the files to.
5. If you want to place the files in a New folder you can create a folder – (See *Creating a New Folder* below)
6. Press the 'Option' button. Press 'OK' on 'Paste'

Creating a New Folder

You can create a new folder on the Hard Disk.

1. Navigate to the location you want to create a New Folder
2. Press the 'Option' button.
3. Press 'OK' to select 'New Folder' – If you already have files copied or cut then use the 'LEFT' or 'RIGHT' button to select 'New Folder'
4. Enter the new folder name using your remote keypad and press 'OK'

Deleting Files from the Hard Disk

If you no longer want or need files on your Hard Disk you can delete them to regain disk space.

1. Navigate to the location you want to delete files from.
2. Select the files you wish to delete.
3. Press the 'STEP/TRASH' button.
4. Click 'YES' to confirm that you wish to delete the files.

Using Your ClearStream Player

Music

When playing back music, the player displays track information in the ‘Now Playing’ bar at the bottom of the screen.

The ‘Now Playing’ displays playback time, a progress bar and a file information bar. Depending on the information available, the information bar will cycle through various details such as song title, artist, album, genre, etc. If no information is available it will just show the file name.

You can start music playing and continue to have it playing while navigating through the folders to find a different song.

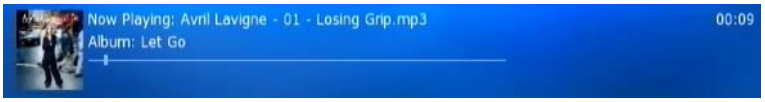
When viewing the active playlist an orange ‘PLAY’ symbol is displayed on the currently playing file.

You can press the stop button to stop music playback from any menu screen.

If you have an active internet connection to your ClearStream and you play an Audio CD, the player will attempt to download and fill out the track names from the FreeDB servers. If the disc is listed, the track names will be displayed in place of the track numbers.

Album/Cover Art for MP3 Playback

When playing MP3 audio files the Album cover will be displayed in the now playing bar.



For the Album Cover to be displayed the cover must be available to the player. When playback is started the ClearStream will check the ID3v2 tag information of the file for an embedded cover image. If that is not available it will look for a file called cover.jpg.

If your player goes into screensaver mode while displaying cover art, the Album Cover will be used as the screen saver image by default. You can disable this option in the General Settings – See *General Settings* for more information

Cover Art is only available for MP3 playback.

Using Your ClearStream Player

WebRadio / ShoutCAST

If you have your player connected to a working Internet connection the ClearStream has the ability to play SHOUTcast stations directly from the Internet.

Select WebRadio from the Main Menu and you can then choose from ‘Shoutcast’ or choose a favourite radio station you have previously saved.

Favorites	*Displays a list of your favourite Shoutcast stations. Favorites for Shoutcast work the same as favourite network and hard disk locations.*
Shoutcast	*Allows you to browse, search and play Shoutcast stations.*

Finding a radio station is easy. The Shoutcast menu gives you the following options.

Top 40	*Displays a list of Top 40 stations.*
Random	*Displays a list of Random stations on the Shoutcast listings.*
By Genre	*Displays a list of different Genres. Clicking on a Genre displays a list of stations matching that particular genre.*
By Keyword	*By Keyword allows you to search Shoutcast for stations matching your Keyword. You enter your keyword using the remote and Press ‘OK’. For example try searching for ‘eye97’*

When browsing stations the station title is displayed and then information about the station is listed below. Information such as the Genre, the song now playing and the Bitrate of the audio is displayed.

To play a station, highlight it and press ‘OK’.

You can save a station to favourites by highlighting it and pressing ‘ALT’ and then ‘BKMARK’. Once you have saved a station to favorites you can start playing it again by choosing ‘Favorites’ from the WebRadio menu.

To delete an unwanted favorite, highlight it and press the ‘STEP/TRASH’ button.

The information displayed about the station may not necessarily be accurate as the Shoutcast list that the player reads from can often be outdated.

The higher the bitrate the more available bandwidth required to play back the station smoothly. Stations may buffer (skip and drop) when not enough bandwidth is available.

Using Your ClearStream Player

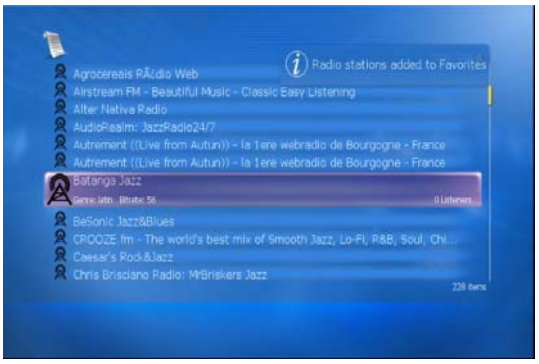
WebRadio / ShoutCAST

The main Shoutcast screen allows you to find stations to listen to.

Top 40 stations
ANTENA SUR - ALMERIA - ESPANA - ESPANOL - SPANIEN
Air Wave Sigaw
Antenne FM - Mainstream
Atlantis 102 Radio - The Mixed Channel (Request Your Own Songs)
BOOMHITRADIO.com - Kanal HITNHOT
Base Line UK - #1 For Internet Radio [[Auto DJ]]
Best Music Radio
Big R Radio - 100.8 Top 40 Hits **The BEST on the NET**
Channel61
ChatNPlay Radio : Internet radio You control @ http://radio.chatnplay.org
Cool FM - The Musicstation 24/365 News Every Hour On The Hour Dutc...

List of Top40 stations, highlight a station and press 'OK' to listen to it.

You can search for stations using keywords


Radio stations added to Favorites
Agrocerealis RÃ©dio Web
Airstream FM - Beautiful Music - Classic Easy Listening
Alter Nativa Radio
AudioRealm: JazzRadio24/7
Autrement ((Live from Autun)) - la 1ere webradio de Bourgogne - France
Autrement ((Live from Autun)) - la 1ere webradio de Bourgogne - France
Batanga Jazz
BeSonic Jazz&Blues
CROOZE.fm - The world's best mix of Smooth Jazz, Lo-Fi, R&B, Soul, Chi...
Caesar's Rock&Jazz
Chris Brisciano Radio: MrBriskers Jazz

You can add stations your enjoy listening to to you favourite station list.

If you are using a firewall on your network, to use SHOUTcast Radio you may need to open the ports on your firewall for the radio stations to work.

Please check the station's web site to check what port they use.

This does not affect normal users with standard routers and NAT, only those using specific firewall devices.

Please be aware that when you are using Internet based functions like SHOUTcast radio the player is downloading data from the Internet.

A typical 128kb/s radio stream will use 45Mbytes per hour or more.

If you are on an Internet plan with a set data download limit that involves excess charges or speed shaping please be aware of your limits when utilising these features.

Using Your ClearStream Player

Video

Playing back video is just as simple as selecting an audio file, however different media sources may change the way the player behaves.

For playback of all video files such as AVI, TS, MPG, etc the player will launch into the video playback when you press ‘OK’ on the highlighted file.

Only video files with filename extensions that are supported will be listed.

If there is more than one file in a folder, the player will automatically move on to the next file and start playback of that file.

When playing a video file, you can do things such as seek, jump to a time position, zoom, pan etc.

Please see the *Remote Control* section for more details on zooming and panning, etc.

Seek and Search Functions

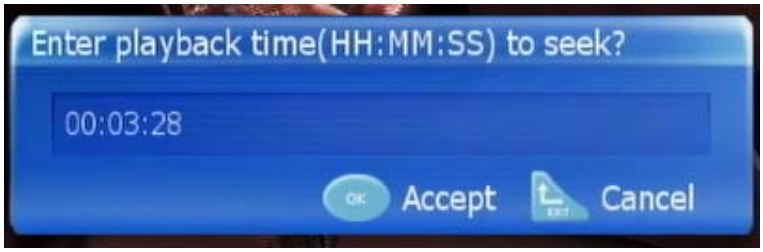
The ClearStream incorporates some seek and search functions for navigating within your video files.

These are different depending on what type of video is being played, and can be accessed via either the option button or the ‘SEARCH’ button on the remote control.

With video files the ClearStream provides a time based seek function.

1. Start the file playing.
2. Press the ‘SEARCH’ button on the remote.
3. Enter the time you wish to jump to using the remote keypad and press ‘OK’

You can also repeatedly press the search button to automatically increment the time to seek to. The more you press it the more time it jumps.



Using Your ClearStream Player

Video

Seek and Search Functions (Continued)

With most video formats you can use the ‘Option’ button to do a percentage based seek. Press ‘Option’ until the Seek bar appears. Using the ‘LEFT’ or ‘RIGHT’ buttons slide the bar to the desired position and press ‘OK’.

With DVD ISO’s you can do a time based seek using the ‘Option’ button. It works in exactly the same way as the percentage seek function.

The commercial skip feature allows you to skip forward or backwards a set amount of time, defined in the general settings. The default setting is 10 seconds.

To skip forward you can use the ‘RIGHT’ or ‘STEP’ button and to skip backwards you can use the ‘LEFT’ button. The commercial skip function is useful to jump forward a set amount of time quickly to go past commercials or breaks in your video.

Please note that on first use of the seek, search or step commands within a file, it will take longer to move to the new position as the file needs to be indexed. Indexing allows the player to map the file so it can navigate correctly and accurately. Subsequent use of these functions within the same file will be almost instantaneous.

Seek, search and file navigation may not be available for all files.

Using Your ClearStream Player

PICTURES

Viewing pictures is much the same as viewing a video. When you press ‘OK’ on a supported picture file it will display the picture on the screen. If there is more than one picture in a folder, the player will automatically go into slideshow mode and smoothly move on to the next picture using transitions. The time delay between changing pictures can be set in the settings menu.

Only files with supported picture type file extensions will be listed in the file browser.

When displaying pictures, you can pause the slideshow and zoom in and pan around a current picture. See the remote section for more details.

If valid EXIF info for the picture is available the player will read it and correctly orientate portrait pictures on the screen. It will also automatically scale your picture to fit the screen as well as possible.

The picture feature is designed for lower resolution images in landscape mode.

Higher resolution pictures from digital cameras or files larger than 2Mb may take a long time to load or fail to load.

Pictures that are edited by a program that doesn’t preserve EXIF information may not display correctly on your screen.

Parallel Slideshow Mode

If you add both pictures and music to an active playlist you can start a slideshow with music in the background, great for showing your photos to family and friends.

1. Add your desired pictures and music to the active playlist and open the Active Playlist – See *Active Playlists* for more information.
2. Play the song you wish to start with in the background.
3. Press ‘OK’ to open the first picture.
4. The pictures will display as a slide show over the music.

During a parallel slideshow the ‘NEXT ITEM’ button will advance to the next picture. To skip to the next song press ‘ALT’ then ‘NEXT ITEM’.

Using Your ClearStream Player

UPnP Media Servers

By using your Ziova ClearStream in conjunction with a UPnP media server, you can deliver more media content to your ClearStream than the player can play on its own.

Depending on the UPnP server software you use, you can deliver additional streaming audio and video, transcode video formats that the ClearStream cannot natively support into a format it can play and gain access to additional functionality.

The UPnP media server software needs to be installed and configured on a PC on your local network. Then all you need to do is tell the UPnP software what you want to make available to your UPnP device.

You can select your media server from the main menu to access its resources. If you have more than 5 servers available on your network they will grouped under a 'Media Servers' category. Browsing a UPnP server will be different with each server software used. An example of a Upnp server listing is shown on the right.

If you are using any firewall software on the PC that is acting as a UPnP media server please ensure that the firewall software allows the passage of network traffic for the port that the UPnP is serving the data on.

If the port is blocked the player may not see the UPnP server due to the firewall software blocking the network data.

Examples of firewall software are programs such as Sygate Personal Firewall, ZoneAlarm and (in Windows XP SP2 and higher) Windows Firewall.
Consult the manual for your firewall software for more information.

Please check that your network router allows UPnP traffic to pass through onto the network.
Some routers have UPnP traffic turned off by default on wireless networking.
You may need to upgrade your router's firmware.
Consult your router's manual or website for information on this.

If using UPnP, please ensure that the UPnP support is set to enabled in the General Settings setup page.

Using Your ClearStream Player

Browsing SMB Shares

Your ClearStream has the ability to browse SMB network shares to make it easy for you to play content that you have stored on computers on your network.

Once your network is configured and you are connected to your local network, all you have to do is choose ‘Local Network’ from the main menu when you are choosing your media source. See *Navigating Media Sources* for more information.

To access local PCs on your network your ClearStream must be in the same workgroup as the PCs you wish to access and you must have your media shared on your PC. For more information please see *Configuring Network Sharing* and *Network Setup*

Make sure that files and shares have access granted to “Everyone”.
You may need to enable the “Guest” account on Windows PCs.

To connect to a PC on your network it must be turned on and connected to the network.

You may have to configure, or disable, software firewalls to enable communication between your ClearStream and PC. Please refer to your firewall documentation for more information.

SMB/FTP Server Access

The inbuilt SMB/FTP Server means you can access your optional Hard Disk to transfer or access files from any PC on your Network. When the SMB Server is enabled your ClearStream will be available on the Network under its device name.

The default device name is ‘CS615’ – See *Network Setup* for more information. If you browse your local network workgroup you will see the CS615 listed with a share called “Media” which is the Hard Disk in the ClearStream.

You can also access the shared drive directly using the UNC path ‘\\<device>\media’ where <device> is the device name of your ClearStream.

You can access the ClearStream using any compatible FTP client using the FTP address ‘ftp://CS615’

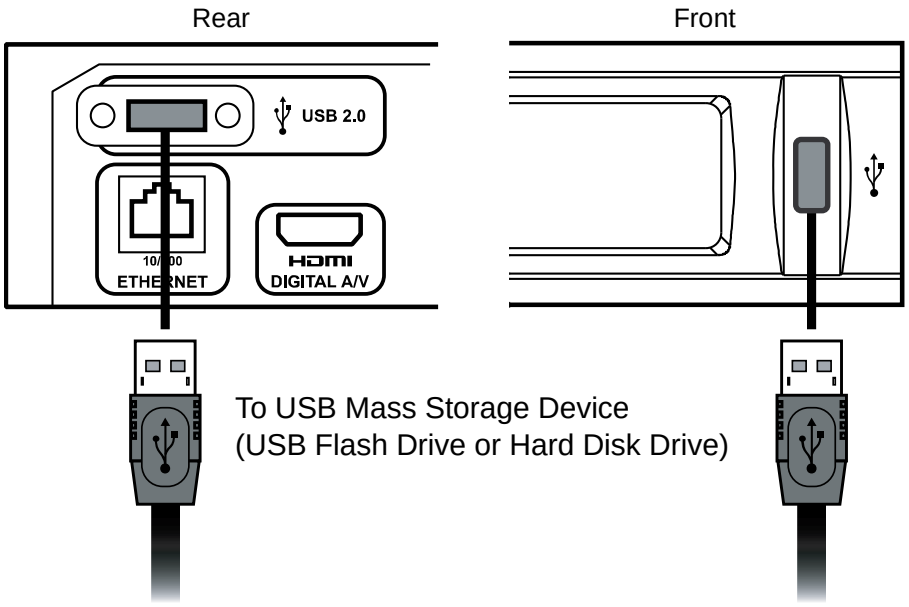
If you enter a FTP/SMB Password and enable FTP/SMB Server Security you will be required to enter a username and password to access your ClearStream. The default user is “cs615-user” and the password is the FTP/SMB Password you enter.

Using Your ClearStream Player

USB Ports

The ClearStream incorporates a front and rear USB 2.0 connection for your convenience. You can quickly and easily plug in USB devices to play files. The rear port can be used for permanent connection of External Hard Drives and the front for quick access to flash drives.

The USB ports support USB thumb drives and USB Hard Disk Drives.
Any devices must appear as a mass storage device and support the mass storage device standard.



Once you have plugged your USB mass storage device into your ClearStream, you can use it simply by selecting it in from the Main Menu. For more information see *Navigating Media Sources*

Please note that the USB ports on the ClearStream support USB 2.0 mass storage devices only. There are some USB devices that don't fully comply with the USB2.0 specifications and will not work with the ClearStream player.

Appendix A

Firmware Upgrades

Upgrading the firmware modifies the code that controls the device.
When performing an upgrade, do not interrupt the process or cut power to the player – failed firmware upgrades may result in an inoperable unit.

Upgrade via Web

To upgrade the firmware from the internet, your ClearStream player will need to have internet access.

You can confirm internet access by going to WebRadio, and seeing if the player is able to browse the Shoutcast listings.

- Press the ‘SETUP’ button to open the Settings menu.
- From the settings menu select ‘Firmware’
- Select ‘Upgrade from Web’
- At this point the player will check the internet for an updated firmware.
- If it finds one it will display a message confirming the version it is upgrading from and the version it will be upgraded to.
- If you are happy to continue select ‘YES’ to continue.
- The player will then start the upgrade.
- Do not turn the player off or press any buttons on the remote while the upgrade is taking place.
- When the upgrade is finished the player will ask you to press ‘OK’ to restart your player.
- To confirm the upgrade you can check the ‘Info’ page in the settings menu.

Appendix A

Firmware Upgrades

Upgrade via USB

To upgrade from USB you have to have a USB2.0 drive supported by the ClearStream.

- Download the firmware upgrade files from “My Ziova” at www.ziova.com
- Extract the files onto your computer.
- Copy the upgrade files to the root directory of the USB Flash Drive.
- Insert the USB Flash Drive with the upgrade files into your player.
- Press the ‘SETUP’ button to open the Settings menu.
- From the settings menu select ‘Firmware’
- Select ‘Upgrade from USB’
- At this point the player will check the drive for an updated firmware.
- If it finds one it will display a message confirming the version it is upgrading from and the version it will be upgraded to.
- If you are happy to continue select ‘YES’ to continue.
- The player will then start the upgrade.
- Do not turn the player off or press any buttons on the remote while the upgrade is taking place.
- When the upgrade is finished the player will ask you to press ‘OK’ to restart your player.
- To confirm the upgrade you can check the ‘Info’ page in the settings menu.

Appendix B

Troubleshooting

Problem	Possible Cause	
No Picture or Color Incorrect	• ClearStream not plugged in • ClearStream not switched on • Video cables not connected • Check Video cable connection • Check TV type settings	• Check power adaptor • Check power switches • Ensure the video cables are connected between the player and the ClearStream • Check video cables to make sure they are connected to the correct plugs and that the cables are in good condition. • Check video settings to make sure the TV Type is set correctly. If you have an NTSC TV make sure you have it set to NTSC and not PAL.
Network Not Working	• IP address settings incorrect • Cable not plugged in	• Check your IP settings in the Network settings page • Check the network cable is plugged in on both the ClearStream and your network hub. A link light should show up on the ClearStream if the cable is connected correctly
ClearStream cannot obtain IP address	• DHCP server not running	• Ensure that there is a server or device that acts as a DHCP server if using the auto setting in the network settings page.
Hard Disk not detected	• Incorrect drive settings • IDE cable not connected correctly	• Check that your drives Master/Slave jumper settings are set correctly. • Ensure that Pin 1 on the IDE cable (Red Stripe) is connected to Pin 1 on the Hard Disk.

Appendix B

Troubleshooting (Continued)

Problem	Possible Cause	Solution
Remote Control Not Working	• No batteries, or flat batteries • Infra Red Receiver on ClearStream obstructed	• Ensure 2 AA size batteries are installed and are orientated correctly • Replace the batteries • Ensure that the display on the front of the ClearStream is not obstructed by any objects, as the IR receiver for the remote control is in there
File does not play	• Encoding problem	• Check that the file you are attempting to play is encoded in a format that is supported by the ClearStream
Cannot find UPnP Server	• UPnP Server not running • UPnP support set to 'Disabled'	• Ensure that the PC running the UPnP server software is powered on and that the UPnP server software is running • Enabled UPnP in the "General" settings.
Some files do not display	• File format is not supported	• Check that the file you are trying to find has a supported file extension and is a format that the ClearStream supports
No Sound	• Audio cables not connected • Wrong output type selected	• Ensure that the audio cables are connected correctly between your ClearStream and your audio device • Ensure that you have selected the correct output type for your audio connections
USB device not found	• Non supported device • Non supported partition type	• Ensure that the device you are connecting is a "Mass Storage Device" • Ensure that your device is formatted as either FAT, FAT32 or NTFS

Appendix C

Glossary

Term	Description
TCP/IP	Network data transmission format using unique numbers to identify devices on the network
IP address	Term for referring to the unique number used for a device on a TCP/IP network
UPnP	Universal Plug and Play
DHCP	Dynamic Host Configuration Protocol – a method for automatically configuring devices using TCP/IP network protocol
SHOUTcast	A Winamp based distributed audio system for Internet radio broadcasting. A trademark of www.shoutcast.com
MP3	A file extension for MPEG1 audio layer 3 – sometimes also used to refer to a digital audio file
WAV	A file extension for a sound file format developed by IBM and Microsoft
WMA	Windows Media Audio file
WMV	Windows Media Video file
M3U	A play list file supported by Winamp software
PLS	A play list used by SHOUTcast and other audio streams
AVI	Audio Video Interleave – a file extension (as in .avi) used by a number of different encoding programs. Sometimes used to refer to a file encoded with any number of Mpeg 4 formats
JPG	Joint Photographic Experts Group a format used for compressing digital pictures – sometimes used to refer to a digital photograph
BMP	Image Bitmapped graphics Format – an uncompressed picture format
PNG	Portable Network Graphics – another picture format
XviD	A video format that is MPEG 4 complaint
MPEG	Moving Picture Experts Group
MPEG-1	A video encoding format – relatively low in compression and quality, used for VCDs
MPEG-2	A video encoding format – used in DVDs and other formats (such as Digital TV transmission) better quality and compression than MPEG-1
MPEG-4	A video encoding format – depending on the encoding method, can produce a good quality video file with a much better compression than MPEG-2, resulting in a much smaller file size
QuickTime	A video compression format developed by Apple Computer
ISO	ISO 9660 is the file system format of a CD-ROM. An ISO file is an 'image' file that represents the contents of a CD-ROM.
IFO	DVD information file containing details about chapters, titles and audio tracks.
IDE	Integrated Drive Electronics – A connection standard for Hard Disk's and CD/DVD ROM drives.

Appendix D

Technical Specifications

Environmental:

- Operating Temperature: 0°C – 45°C
- Storage Temperature: -25°C – 55°C
- Operating Humidity: 10% to 95% non condensing
- Operating Voltage: 12V DC – 2A

Outputs:

- HDMI™ Digital Audio and Video with HDCP
- RCA Video
- RCA Audio
- S-Video
- Component Video
- Optical Digital Audio
- Coax Digital Audio

Network:

- 10/100Mbps Ethernet port
- DHCP assigned or Static IP addresses

Appendix E

Product Support

Ziova provides comprehensive online support through our ***Online Helpdesk*** system. You can browse the Knowledge Base for detailed instructions on specific topics, or lodge a support ticket and our helpdesk staff will assist you.

Visit the Online Helpdesk at **www.ziova.com/helpdesk**

Our website also offers a ***Community Forum***, where you can discuss Ziova products, and get tips and advice from other Ziova customers.

Visit the Community Forum at **www.ziova.com/forum**

My Ziova

My Ziova is a club for Ziova product owners. Registered members have access to firmware updates, members-only forum sections, and other special offers.

Visit **www.ziova.com** and click on the “My Ziova” menu option.

You can access *My Ziova* using your forum login.
(If you don’t already have an account, a link is provided to create one.)

On your first visit, we’ll ask you to provide us with some information; just fill in the requested details on the form. You’ll need the serial number and MAC addresses of your player to register, which can be found on the back of this manual. (All supplied information is private and confidential.)

Join the club and get the most out of your Ziova products!

FCC Regulations

FCC Class B Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

Warning: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC RF Radiation Exposure Statement

The antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

Notice: Changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Warranty

Ziova Corporation warrants that the product is free of defects in material and workmanship for a period of 12 months from the date of purchase. Ziova does not cover damage or failure due to misuse, abuse, faulty installation or modification. This warranty does not extend to defects resulting from normal wear and tear.

All express and implied warranties for the product including, but not limited to, the warranties of merchantability and fitness of a particular purpose are limited in duration to the above period.

The standard software supplied with this product is provided “as is”, and Ziova does not guarantee that the software is free of defects. The software supplied may not be suitable for all intended uses by the end user.

Limitation of Liability

So far as the law permits Ziova Corporation and its distributors shall not be liable in any way whatsoever for any indirect or consequential loss, or loss of profit or any liability for damage to property or death or injury to persons howsoever caused including, but not limited to, any loss by reason of delay, defective or faulty products or workmanship, negligence or any act, matter or thing, done permitted or omitted by Ziova Corporation and its distributors.

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